HOME HEALTH AGENCY QUALITY MEASURES:
LOGISTIC REGRESSION MODELS FOR RISK ADJUSTMENT

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Home Health Agency Quality Measures: Logistic Regression Models For Risk Adjustment

The purpose of this document is to provide descriptions of the prediction models used to risk adjust outcome rates presented in home health agency outcome-based quality improvement (OBQI) reports. These prediction models replace the prediction models used to risk adjust outcomes based on the OASIS-B1 assessment instrument. Home health agencies began using the new OASIS-C assessment instrument on January 1, 2010. The models presented in this document were developed using OASIS national repository data from assessments submitted between January 1, 2010 and September 30, 2010. A logistic regression model was created to predict outcome results for three utilization outcomes, 22 functional improvement outcomes, 11 functional stabilization outcomes, and 12 potentially avoidable events. Nine of these outcomes (i.e., one utilization, seven functional improvement, and one potentially avoidable event) are publicly reported on Home Health Compare.

Model Development Process

Using the assessment data from January 1, 2010 through September 30, 2010, nearly three million episodes of care were created. This was done by linking the start of care (SOC) or resumption of care (ROC) assessment for a patient with that patient’s last assessment (i.e., transfer, discharge, or death). The 48 outcomes were computed based on the episode of care information for each patient. Case mix results for each patient that are reported in the Agency Patient-related Characteristics Report were calculated using these data. Finally, additional risk factors based on each response option level for each OASIS-C item were computed. From this analytic file, two developmental samples of 250,000 episodes of care were randomly selected, along with a validation sample of 1,000,000 episodes of care. Models, with the exception of the Increase in Number of Pressure Ulcers potentially avoidable event which is publicly reported, were created using one of the two developmental samples and validated using the validation sample. Due to the very low incidence rate of the Increase in Number of Pressure Ulcers and the potential for over-fitting the model that would be used for a publicly reported outcome if a smaller sample was used, the validation sample was used to develop this model. Another validation sample was created to provide validation statistics for the Increase in Number of Pressure Ulcers model.

A structured approach was used to develop the initial prediction model for each outcome. Because there were a large number of possible risk factors that needed to be considered for each outcome, the following process was used to identify unique contributing risk factors to the prediction model:

1. The risk factors were divided into six groups with approximately the same number in each group and similar content focus (e.g., ICD9-based conditions)
2. Separate logistic regressions were computed on each of these six risk factor groups and any risk factor with probability <.200 was identified for further review.
3. Risk factors with probability <.200 from the first three groups were aggregated into a new set of risk factors, as were risk factors with probability <0.200 from the second three groups.
4. An ordinary least squares (OLS) step-wise analysis for each of these two new groups was computed. Those risk factors that were statistically significant at probability <0.01 were combined into a single group.

5. The list of risk factors that achieved the probability <0.01 level were reviewed. If one response option level of an OASIS-C item was on the list, then risk factors representing the other response option levels of that OASIS-C item were added to the list. For example, if response option levels 1 and 2 for M1800 Grooming were statistically significant at probability <0.01 for a particular outcome, then response option level 3 for M1800 Grooming was added to the list. ¹

6. A fixed logistic regression was computed on the list of risk factors that had achieved probability <0.01 and the risk factors that were added to the list because they were other response options for OASIS-C items represented on the list. Risk factors were removed if they failed to reach the probability <0.01 level, unless they were a response option for an OASIS-C item where a different response option for the same OASIS-C item did meet the probability<0.01 criterion. This step was repeated until only risk factors that met the criterion remained.

7. Goodness of fit statistics ($r^2$, C-statistic, and/or Hosmer-Lemeshow) as well as bivariate correlations between the risk factor and the outcome were computed for how well the predicted values generated by the prediction model were related to the actual outcomes.

8. The initial models for each of the 48 outcome measures were reviewed by a team of at least three experienced home health clinicians. Each risk factor was reviewed for its clinical plausibility in being related to the outcome measure in the direction indicated by the coefficient in the prediction equation and its bivariate relationship. Risk factors that were not clinically plausible were identified for elimination.

9. The risk factors that were deemed not clinically plausible were removed from the prediction model and steps 6 and 7 in this process were repeated. The resulting logistic regression equation was designated as the prediction model for the outcome.

10. The prediction model was applied to the validation sample and goodness of fit statistics were computed. If these statistics were similar to the goodness of fit statistics computed with the development sample, the model became a final model. If the statistics were not similar, then alternative approaches to model building were considered.

Use of Risk Models in Risk-Adjusted Outcome Reports

The risk-adjusted outcome report provided for home health agency outcome-based quality improvement (OBQI) includes, for each outcome measure, the agency’s observed (actual) outcome rate and a risk-adjusted national reference rate. The observed agency outcome rate is simply the number of patients who achieved a particular outcome (e.g., improvement in ambulation) divided by the number of patients eligible² for that outcome, for patients whose episode of care ended during the previous 12 months. The national reference rate³ is calculated based on the observed national outcome rate (for the same time period as the agency observed outcome rate), adjusted to reflect case mix differences between the agency’s patients and home health patients nationally.
The method used to calculate the national reference rate for a given outcome for each home health agency is as follows:

- A predicted outcome probability is calculated for each patient in the agency, based on the patient’s health status and other attributes at admission to home health care, using a statistical model specific to that outcome, as described later in this document.

- Predicted outcome probabilities are averaged across all of the agency’s patients eligible for that particular outcome to yield an agency-specific predicted outcome rate.

- Predicted outcome probabilities are averaged across all home health patients in the nation eligible for that particular outcome to yield a national predicted outcome rate.

The National Reference Rate for a specific agency is calculated as:

\[
\text{National Observed Rate} + (\text{Agency-Specific Predicted Rate} - \text{National Predicted Rate})
\]

This method of calculating a risk-adjusted reference rate for home health agencies takes into account variations between agencies in patient case mix, and it provides a means for all agencies to measure their outcomes against a risk-adjusted standard that reflects current national outcome performance.

**Reading the Prediction Model Tables**

Each table contains the following information:

- **Table Title**: The title identifies the name of the outcome measure model being presented.

- **Risk Factor Measured at SOC/ROC**: This column lists the risk factors included in the prediction model. All risk factors pertain to Start of Care (SOC) or Resumption of Care after inpatient stay (ROC). If applicable, the number of values in the measurement scale for each risk factor is displayed in parentheses. For risk factors that take on the value 0 and 1, the value 1 denotes the presence of the attribute and 0 denotes its absence. For risk factors that pertain to health or functional status and are defined using a scale that takes on more than two values, higher values of the scale typically indicate greater impairment or severity of illness. The meaning associated with specific numeric values for most risk factors can be determined by examining the related OASIS data item(s).

- **Coefficient**: This column is the coefficient for the risk factor in the logistic regression model for the outcome measure. Coefficients are considered significant at probability<0.05 because of the very large developmental sample used to create the models. Using this significance level and large developmental sample results in more stable models whose performance is superior under cross validation.

- **Odds Ratio**: For a 0-1 risk factor, the odds ratio is the likelihood of the outcome when the risk factor is present divided by the likelihood of the outcome when the risk factor is not present. In general, the odds ratio indicates the strength of relationship between a risk factor and the outcome measure. The larger or smaller an odds ratio is for a
particular risk factor (i.e., >1.00 or <1.00), the more influence the risk factor has on the outcome measure, in a positive or negative direction.

- **95% CI:** These are the 95% confidence limits of the odds ratios in the previous column.

- **Number of Risk Factors:** This is the number of unique risk factors that are used in the logistic regression model for predicting the outcome measure.

- **R²:** The R² value is the squared correlation between predicted and observed values for all patients in the developmental or validation samples. The developmental sample size for all outcomes is 250,000, with some variation in this number depending on patient eligibility for the outcome measure. The validation sample is 1,000,000 for all models. These sample sizes pertain to both R² and the C-statistic.

- **C:** The C-statistic is the area under the Receiver Operating Characteristic curve. Intuitively, it is defined as follows: Let Y=1 denote outcome attainment, Y=0 denote nonattainment, and \( \hat{p} \) denote the predicted probability that Y=1. Enumerate all possible pairs of sample patients for whom Y=1 for the first patient and Y=0 for the second patient. C is the proportion of such pairs where \( \hat{p} \) for the patient with Y=1 is larger than \( \hat{p} \) for the patient with Y=0.

- **Hosmer-Lemeshow:** The Hosmer-Lemeshow statistic is used for low frequency outcomes (i.e., the potentially avoidable events) to assess the quality of the prediction model. For low frequency events, the R² statistics is not a good indicator of model fit. The Hosmer-Lemeshow statistic divides the predicted values into 10 equal size groups and then identifies the frequency of observed outcomes in each of these 10 groups. Using a Chi-Square test, the statistic tests the hypothesis of an equal frequency across the 10 groups. If the frequencies are not evenly distributed—as would be expected if the prediction model generated higher predicted values that were more associated with the outcome occurring and lower predicted values that were associated with the outcome not occurring, then the Chi-Square value would be statistically significant—and the prediction model would be judged to be useful in predicting the outcome.

**Utility of Specific Risk Models**

The predictive models for outcomes demonstrated the wide range of strength of relationship (i.e., the amount of variance in the observed outcomes predicted by the variance in the independent variables used to create the predictive model for the observed values) between the predictive models and their associated observed outcome values. Similarly, the predictive power of a model, as measured by the C-statistic, also varied by outcome. Predictive models that met either or both of the following criteria — R² ≥ 0.10; C-stat ≥ 0.70 — were deemed to have adequate risk adjustment when applied to their outcome measures. For all of the potentially avoidable event outcomes, the C-statistic and the Hosmer-Lemeshow statistic either met the criterion or were statistically significant.
Notes:

1 A. Agresti discusses the question about how to treat categorical variables. His guidance regarding how to treat categorical variables in stepwise model selection is very clear. Basically, Agresti emphasizes the importance of including or excluding entire categorical variables at each stage of model selection rather than just individual indicator variables. The relevant section is 5.1.3 on pages 139 and 140. Agresti, Alan. An Introduction to Categorical Analysis, Second Edition, John Wiley & Sons, Inc., 2007.

2 Patients are eligible for an outcome measuring 'improvement' if the patient was not fully independent on the baseline variable at the Start or Resumption of Care. Patients are eligible for an outcome measuring 'stabilization' if the patient was not fully dependent on the baseline variable at the Start or Resumption of Care.

3 The method used currently to calculate an agency-specific national reference rate for OBQI reports differs from the method used during the national OBQI demonstration, which is described in the body of the paper for which this document is an appendix. For the demonstration, models were estimated using a reference sample of patient episodes from the same time period as that covered by agency reports, and the agency’s predicted outcome rate was reported as the agency-specific reference rate. The current method takes into account any differences in case mix or outcome performance that may exist between the sample used to estimate risk model parameters and the current national population of home health patients. This was not necessary during the demonstration because the reference population and the sample used for risk model estimation were essentially one and the same.
## Table 1: Improvement in Ambulation / Locomotion

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>-0.246</td>
<td>0.782</td>
<td>(0.735-0.832)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.181</td>
<td>0.835</td>
<td>(0.802-0.869)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.157</td>
<td>0.855</td>
<td>(0.802-0.911)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.026[^b]</td>
<td>1.027</td>
<td>(0.996-1.058)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.108</td>
<td>1.114</td>
<td>(1.074-1.156)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.202</td>
<td>1.223</td>
<td>(1.096-1.365)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.110[^a]</td>
<td>0.896</td>
<td>(0.822-0.976)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.138</td>
<td>0.871</td>
<td>(0.799-0.949)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.314</td>
<td>0.731</td>
<td>(0.669-0.799)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-0.226</td>
<td>0.798</td>
<td>(0.727-0.876)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-0.331</td>
<td>0.718</td>
<td>(0.653-0.790)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.439</td>
<td>0.645</td>
<td>(0.572-0.727)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.074</td>
<td>0.929</td>
<td>(0.897-0.961)</td>
</tr>
<tr>
<td>Chronic Conditions: Urinary incontinence or catheter</td>
<td>-0.300</td>
<td>0.741</td>
<td>(0.699-0.785)</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>0.180</td>
<td>1.197</td>
<td>(1.140-1.257)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.133</td>
<td>1.142</td>
<td>(1.091-1.195)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>-0.164</td>
<td>0.849</td>
<td>(0.825-0.873)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Digestive system diseases</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.060-1.151)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>-0.053</td>
<td>0.949</td>
<td>(0.923-0.975)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>-0.087</td>
<td>0.917</td>
<td>(0.879-0.957)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Ill-defined conditions</td>
<td>-0.100</td>
<td>0.905</td>
<td>(0.880-0.930)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.094</td>
<td>0.911</td>
<td>(0.862-0.962)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.122</td>
<td>0.885</td>
<td>(0.856-0.916)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.241</td>
<td>0.786</td>
<td>(0.742-0.832)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>-0.086</td>
<td>0.918</td>
<td>(0.892-0.945)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>-0.096[^b]</td>
<td>0.908</td>
<td>(0.813-1.015)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.327</td>
<td>1.387</td>
<td>(1.343-1.432)</td>
</tr>
<tr>
<td>Discharged from long-term nursing facility (NF) past 14 days</td>
<td>-0.211</td>
<td>0.810</td>
<td>(0.726-0.903)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.142</td>
<td>1.153</td>
<td>(1.102-1.206)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.059[^a]</td>
<td>1.061</td>
<td>(1.013-1.111)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>0.004[^c]</td>
<td>1.004</td>
<td>(0.934-1.080)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.340</td>
<td>0.712</td>
<td>(0.673-0.753)</td>
</tr>
<tr>
<td>Lives with other person(s) with around the clock assistance</td>
<td>0.086</td>
<td>1.089</td>
<td>(1.055-1.125)</td>
</tr>
<tr>
<td>Lives with other person(s) with occasional/short term assistance</td>
<td>0.085[^a]</td>
<td>1.089</td>
<td>(1.002-1.183)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.215</td>
<td>1.240</td>
<td>(1.175-1.309)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.114</td>
<td>1.121</td>
<td>(1.081-1.163)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.038[^c]</td>
<td>1.039</td>
<td>(0.992-1.088)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.193</td>
<td>1.212</td>
<td>(1.162-1.264)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.554</td>
<td>1.740</td>
<td>(1.670-1.814)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>2.452</td>
<td>11.607</td>
<td>(10.978-12.273)</td>
</tr>
</tbody>
</table>
### Table 1: Improvement in Ambulation / Locomotion (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>1.925</td>
<td>6.855 (6.348-7.403)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>0.119</td>
<td>1.127 (1.037-1.224)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>0.035 c</td>
<td>1.035 (0.948-1.130)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>0.120</td>
<td>1.127 (1.050-1.209)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>0.096</td>
<td>1.101 (1.048-1.156)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.118</td>
<td>1.125 (1.088-1.164)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.147</td>
<td>1.159 (1.118-1.201)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.200</td>
<td>1.221 (1.164-1.281)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.050</td>
<td>1.051 (1.020-1.084)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.033 c</td>
<td>0.968 (0.885-0.958)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.038 c</td>
<td>0.963 (0.815-1.137)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.135</td>
<td>1.145 (1.074-1.220)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.130</td>
<td>1.139 (1.045-1.241)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>0.011 c</td>
<td>1.011 (0.954-1.071)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.067</td>
<td>0.935 (0.905-0.967)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.038 c</td>
<td>0.963 (0.903-1.027)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.134</td>
<td>0.874 (0.793-0.964)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.201</td>
<td>1.223 (1.179-1.268)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.209</td>
<td>1.232 (1.154-1.316)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.167</td>
<td>1.182 (1.071-1.304)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.345</td>
<td>0.708 (0.679-0.738)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.334</td>
<td>0.716 (0.672-0.763)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.314</td>
<td>0.731 (0.661-0.807)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.101</td>
<td>1.107 (1.069-1.145)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.049 a</td>
<td>0.952 (0.913-0.993)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.239</td>
<td>0.788 (0.729-0.851)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.021 c</td>
<td>0.979 (0.942-1.018)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.049 b</td>
<td>0.952 (0.902-1.004)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.232</td>
<td>0.793 (0.743-0.846)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.366</td>
<td>0.693 (0.667-0.720)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.223</td>
<td>0.800 (0.781-0.819)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.094</td>
<td>0.911 (0.884-0.938)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.009 c</td>
<td>1.009 (0.961-1.060)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.067 a</td>
<td>0.935 (0.887-0.986)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.017 c</td>
<td>0.983 (0.927-1.043)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.258</td>
<td>0.773 (0.710-0.841)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.304</td>
<td>0.738 (0.675-0.807)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.290</td>
<td>0.748 (0.723-0.774)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.066 a</td>
<td>0.936 (0.887-0.988)</td>
</tr>
</tbody>
</table>
Table 1: Improvement in Ambulation / Locomotion (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC (^1) (^2)</th>
<th>Coefficient (^3)</th>
<th>Odds ratio (^3) (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>-0.169</td>
<td>0.844 (0.820-0.869)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>-0.088</td>
<td>0.916 (0.888-0.945)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: None needed</td>
<td>-0.107</td>
<td>0.899 (0.851-0.950)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>-0.099</td>
<td>0.905 (0.860-0.953)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.288</td>
<td>1.334 (1.254-1.418)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.578</td>
<td>1.783 (1.709-1.860)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.657</td>
<td>1.929 (1.802-2.066)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>0.021 (^c)</td>
<td>1.021 (0.969-1.075)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.052 (^c)</td>
<td>0.949 (0.886-1.018)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.047 (^a)</td>
<td>1.049 (1.001-1.099)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.106</td>
<td>1.112 (1.062-1.164)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.125</td>
<td>1.133 (1.082-1.187)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.169</td>
<td>1.184 (1.127-1.244)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.167</td>
<td>1.182 (1.121-1.246)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.130</td>
<td>1.139 (1.072-1.210)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.176</td>
<td>1.193 (1.108-1.283)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.140</td>
<td>1.150 (1.058-1.251)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.261</td>
<td>1.298 (1.233-1.367)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.089</td>
<td>1.093 (1.053-1.134)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.037 (^c)</td>
<td>0.964 (0.917-1.013)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.202</td>
<td>0.817 (0.739-0.903)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.071</td>
<td>0.931 (0.901-0.962)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.168</td>
<td>0.845 (0.763-0.936)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.359</td>
<td>0.698</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 59
Developmental Sample R² = 0.069 Validation Sample R² = 0.066
Developmental Sample C-statistic = 0.651 Validation Sample C-statistic = 0.648

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01
a = significant at 0.01<probability<.05
b = significant at 0.05<probability<.10
c = not significant, probability>.10
Table 2: Improvement in Anxiety Level

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.097</td>
<td>1.102</td>
<td>(1.062-1.143)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.217</td>
<td>0.805</td>
<td>(0.766-0.845)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.043 ⁴</td>
<td>1.044</td>
<td>(1.003-1.088)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.823 ⁴</td>
<td>2.278</td>
<td>(2.192-2.367)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>1.754 ⁴</td>
<td>5.780</td>
<td>(5.108-6.541)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>0.120 ⁴</td>
<td>1.128</td>
<td>(1.020-1.247)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>0.048 ⁵</td>
<td>1.049</td>
<td>(0.937-1.174)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.027 ⁵</td>
<td>1.028</td>
<td>(0.909-1.162)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>0.056 ⁵</td>
<td>1.057</td>
<td>(0.904-1.237)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.117</td>
<td>0.889</td>
<td>(0.852-0.929)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>-0.176</td>
<td>0.839</td>
<td>(0.807-0.872)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.191</td>
<td>0.826</td>
<td>(0.790-0.864)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.087</td>
<td>1.091</td>
<td>(1.046-1.138)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.092</td>
<td>1.097</td>
<td>(1.032-1.166)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.085</td>
<td>1.089</td>
<td>(1.025-1.156)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>0.091 ⁴</td>
<td>1.096</td>
<td>(1.001-1.199)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.11</td>
<td>0.896</td>
<td>(0.841-0.955)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.025 ⁶</td>
<td>0.976</td>
<td>(0.938-1.015)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.115 ⁶</td>
<td>0.891</td>
<td>(0.801-0.991)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.183</td>
<td>1.201</td>
<td>(1.128-1.278)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.102 ⁷</td>
<td>1.107</td>
<td>(1.019-1.203)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.103 ⁷</td>
<td>1.108</td>
<td>(1.021-1.203)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.034 ⁵</td>
<td>1.035</td>
<td>(0.943-1.135)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.137 ⁴</td>
<td>0.872</td>
<td>(0.773-0.984)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>-0.022 ⁶</td>
<td>0.979</td>
<td>(0.892-1.074)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>-0.099 ⁶</td>
<td>0.906</td>
<td>(0.821-1.000)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>-0.036 ⁶</td>
<td>0.965</td>
<td>(0.889-1.046)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>-0.083</td>
<td>0.921</td>
<td>(0.867-0.978)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.152</td>
<td>0.859</td>
<td>(0.822-0.898)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.224</td>
<td>0.800</td>
<td>(0.747-0.856)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.335</td>
<td>0.715</td>
<td>(0.627-0.816)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.107</td>
<td>0.898</td>
<td>(0.860-0.938)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.161</td>
<td>0.851</td>
<td>(0.787-0.921)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.353</td>
<td>0.703</td>
<td>(0.620-0.796)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.123</td>
<td>1.131</td>
<td>(1.079-1.186)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.141</td>
<td>1.152</td>
<td>(1.058-1.254)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.033 ⁶</td>
<td>1.034</td>
<td>(0.916-1.166)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.010 ⁶</td>
<td>0.990</td>
<td>(0.931-1.053)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>0.093 ⁴</td>
<td>1.097</td>
<td>(1.006-1.197)</td>
</tr>
</tbody>
</table>
Table 2: Improvement in Anxiety Level (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.152</td>
<td>1.164</td>
<td>(1.104-1.228)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>0.158 a</td>
<td>1.171</td>
<td>(1.023-1.339)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.082</td>
<td>1.085</td>
<td>(1.022-1.153)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.125 a</td>
<td>0.883</td>
<td>(0.802-0.972)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.076</td>
<td>0.927</td>
<td>(0.900-0.954)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.085</td>
<td>0.919</td>
<td>(0.874-0.966)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.029 c</td>
<td>1.029</td>
<td>(0.961-1.103)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.022 c</td>
<td>0.978</td>
<td>(0.916-1.045)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.09</td>
<td>0.914</td>
<td>(0.871-0.960)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>-0.227</td>
<td>0.797</td>
<td>(0.747-0.850)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.188</td>
<td>0.828</td>
<td>(0.794-0.864)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.259</td>
<td>0.771</td>
<td>(0.713-0.834)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>-0.382</td>
<td>0.682</td>
<td>(0.626-0.744)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.179</td>
<td>1.196</td>
<td>(1.106-1.294)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.029 c</td>
<td>0.971</td>
<td>(0.867-1.088)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.118</td>
<td>1.125</td>
<td>(1.029-1.231)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.088 c</td>
<td>1.092</td>
<td>(0.976-1.222)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.102</td>
<td>1.108</td>
<td>(1.041-1.179)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.236</td>
<td>1.266</td>
<td>(1.208-1.327)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.221</td>
<td>1.247</td>
<td>(1.180-1.318)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.094 c</td>
<td>0.910</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors:  59
Developmental Sample R² = 0.069 Validation Sample R² = 0.066
Developmental Sample C-statistic = 0.651 Validation Sample C-statistic = 0.648

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01

a = significant at 0.01<probability<.05

b = significant at 0.05<probability<.10

c = not significant, probability>.10
Table 3: Improvement in Bathing

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.054</td>
<td>1.055</td>
<td>(1.024-1.087)</td>
</tr>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>-0.164</td>
<td>0.849</td>
<td>(0.794-0.906)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.205</td>
<td>0.815</td>
<td>(0.777-0.854)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.091</td>
<td>1.095</td>
<td>(1.061-1.131)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.072⁴</td>
<td>0.930</td>
<td>(0.869-0.996)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.076</td>
<td>0.926</td>
<td>(0.894-0.960)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-0.006 ⁴</td>
<td>0.994</td>
<td>(0.961-1.029)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.030 ⁴</td>
<td>1.031</td>
<td>(0.990-1.074)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.025</td>
<td>1.228</td>
<td>(1.090-1.382)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>1.396</td>
<td>4.040</td>
<td>(3.855-4.233)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>2.373</td>
<td>10.730</td>
<td>(10.008-11.504)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>3.020</td>
<td>20.482</td>
<td>(18.993-22.087)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>3.648</td>
<td>38.387</td>
<td>(34.184-43.107)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.129</td>
<td>0.879</td>
<td>(0.849-0.910)</td>
</tr>
<tr>
<td>Chronic Conditions: Urinary incontinence or catheter</td>
<td>-0.186</td>
<td>0.830</td>
<td>(0.780-0.883)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.099</td>
<td>0.906</td>
<td>(0.847-0.968)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic Pain</td>
<td>0.068</td>
<td>1.071</td>
<td>(1.020-1.124)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>-0.193</td>
<td>0.825</td>
<td>(0.785-0.866)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.168</td>
<td>1.182</td>
<td>(1.129-1.239)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.050⁴</td>
<td>0.952</td>
<td>(0.912-0.992)</td>
</tr>
<tr>
<td>Assessment indicates risk for falls</td>
<td>-0.119</td>
<td>0.887</td>
<td>(0.855-0.921)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>-0.093</td>
<td>0.911</td>
<td>(0.884-0.939)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.015 ⁴</td>
<td>1.015</td>
<td>(0.970-1.062)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.023 ⁴</td>
<td>0.977</td>
<td>(0.921-1.037)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.130⁴</td>
<td>0.878</td>
<td>(0.778-0.990)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>-0.073</td>
<td>0.929</td>
<td>(0.888-0.972)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.148</td>
<td>0.862</td>
<td>(0.831-0.894)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.173</td>
<td>0.841</td>
<td>(0.790-0.895)</td>
</tr>
<tr>
<td>IADL Assistance: None needed</td>
<td>0.191</td>
<td>1.211</td>
<td>(1.109-1.321)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.286</td>
<td>1.332</td>
<td>(1.287-1.378)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.162</td>
<td>1.175</td>
<td>(1.102-1.254)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.123</td>
<td>1.131</td>
<td>(1.062-1.205)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>0.108⁴</td>
<td>1.114</td>
<td>(1.013-1.224)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.156</td>
<td>0.855</td>
<td>(0.812-0.902)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.221</td>
<td>1.247</td>
<td>(1.173-1.327)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.012 ⁴</td>
<td>0.988</td>
<td>(0.948-1.029)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.097</td>
<td>0.907</td>
<td>(0.845-0.974)</td>
</tr>
<tr>
<td>Behavioral: Memory deficit</td>
<td>0.091</td>
<td>1.095</td>
<td>(1.043-1.150)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.079</td>
<td>0.924</td>
<td>(0.879-0.972)</td>
</tr>
</tbody>
</table>
**Table 3: Improvement in Bathing (continued)**

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age: 75-84</td>
<td>-0.119 c</td>
<td>0.887</td>
<td>(0.855-0.921)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.331 c</td>
<td>0.718</td>
<td>(0.689-0.748)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.158 c</td>
<td>0.854</td>
<td>(0.795-0.917)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.376 c</td>
<td>0.686</td>
<td>(0.639-0.737)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.407 c</td>
<td>0.666</td>
<td>(0.615-0.721)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-1.126 c</td>
<td>0.324</td>
<td>(0.293-0.359)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.044 c</td>
<td>0.957</td>
<td>(0.892-1.026)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.036 c</td>
<td>0.965</td>
<td>(0.899-1.035)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.136 c</td>
<td>0.873</td>
<td>(0.808-0.944)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.044 a</td>
<td>0.957</td>
<td>(0.923-0.992)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.172 c</td>
<td>0.842</td>
<td>(0.793-0.893)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.388 c</td>
<td>0.678</td>
<td>(0.608-0.756)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.039 a</td>
<td>1.040</td>
<td>(1.002-1.080)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.107 c</td>
<td>1.113</td>
<td>(1.070-1.157)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.133 c</td>
<td>1.142</td>
<td>(1.084-1.203)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.058 c</td>
<td>1.060</td>
<td>(1.025-1.096)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.048 c</td>
<td>0.953</td>
<td>(0.866-1.049)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.218 a</td>
<td>0.804</td>
<td>(0.675-0.958)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.096 c</td>
<td>1.101</td>
<td>(1.028-1.179)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.077 b</td>
<td>1.081</td>
<td>(0.985-1.185)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.042 c</td>
<td>0.959</td>
<td>(0.901-1.020)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.075 c</td>
<td>0.927</td>
<td>(0.894-0.962)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.044 c</td>
<td>0.957</td>
<td>(0.894-1.024)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.234 c</td>
<td>0.791</td>
<td>(0.712-0.879)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.155 c</td>
<td>1.167</td>
<td>(1.121-1.215)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.148 c</td>
<td>1.160</td>
<td>(1.079-1.246)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.093 b</td>
<td>1.098</td>
<td>(0.984-1.224)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.052 a</td>
<td>0.949</td>
<td>(0.906-0.995)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>0.002 c</td>
<td>1.002</td>
<td>(0.935-1.074)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.103 b</td>
<td>0.902</td>
<td>(0.810-1.004)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.124 c</td>
<td>1.132</td>
<td>(1.090-1.176)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.095 c</td>
<td>0.910</td>
<td>(0.869-0.952)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.386 c</td>
<td>0.680</td>
<td>(0.628-0.736)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.022 c</td>
<td>0.978</td>
<td>(0.937-1.022)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.106 c</td>
<td>0.899</td>
<td>(0.848-0.953)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.280 c</td>
<td>0.756</td>
<td>(0.705-0.811)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.178 c</td>
<td>0.837</td>
<td>(0.812-0.862)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.105 c</td>
<td>0.900</td>
<td>(0.853-0.950)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.190 c</td>
<td>0.827</td>
<td>(0.801-0.854)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.063 a</td>
<td>1.065</td>
<td>(1.012-1.120)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC¹,²</td>
<td>Coefficient³</td>
<td>Odds ratio³</td>
<td>(95% CI)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.048 b</td>
<td>1.050</td>
<td>(0.998-1.104)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.102</td>
<td>1.107</td>
<td>(1.067-1.149)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.012 c</td>
<td>1.012</td>
<td>(0.956-1.071)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.143</td>
<td>0.867</td>
<td>(0.815-0.923)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.044 b</td>
<td>1.045</td>
<td>(0.992-1.101)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.104</td>
<td>0.902</td>
<td>(0.854-0.952)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.121</td>
<td>0.886</td>
<td>(0.830-0.946)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.352</td>
<td>0.704</td>
<td>(0.643-0.770)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.388</td>
<td>0.679</td>
<td>(0.617-0.746)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.152</td>
<td>0.859</td>
<td>(0.809-0.912)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver training needed</td>
<td>0.089 a</td>
<td>1.103</td>
<td>(1.019-1.172)</td>
</tr>
<tr>
<td>Status of Surgical Wound (0-3)</td>
<td>0.183</td>
<td>1.121</td>
<td>(1.040-1.204)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.174</td>
<td>1.190</td>
<td>(1.104-1.283)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.185</td>
<td>1.123</td>
<td>(1.016-1.240)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>-0.310 c</td>
<td>0.733</td>
<td>(0.452-1.191)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>-0.278</td>
<td>0.757</td>
<td>(0.624-0.919)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>-0.112 c</td>
<td>0.894</td>
<td>(0.758-1.054)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>-0.064 a</td>
<td>0.938</td>
<td>(0.887-0.992)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.015 c</td>
<td>0.985</td>
<td>(0.913-1.063)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.124</td>
<td>1.131</td>
<td>(1.074-1.192)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.263</td>
<td>1.301</td>
<td>(1.236-1.370)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.272</td>
<td>1.313</td>
<td>(1.245-1.383)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.304</td>
<td>1.355</td>
<td>(1.282-1.433)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.346</td>
<td>1.414</td>
<td>(1.332-1.501)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.324</td>
<td>1.382</td>
<td>(1.292-1.480)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.287</td>
<td>1.332</td>
<td>(1.228-1.445)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.332</td>
<td>1.394</td>
<td>(1.271-1.529)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.197</td>
<td>1.218</td>
<td>(1.153-1.287)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.075</td>
<td>1.078</td>
<td>(1.033-1.124)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.099</td>
<td>0.906</td>
<td>(0.857-0.957)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.305</td>
<td>0.737</td>
<td>(0.659-0.825)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.039 c</td>
<td>0.962</td>
<td>(0.905-1.022)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.177</td>
<td>0.838</td>
<td>(0.782-0.897)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.283</td>
<td>0.754</td>
<td>(0.662-0.859)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.579</td>
<td>0.560</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 99
Developmental Sample $R^2 = 0.211$  Validation Sample $R^2 = 0.208$
Developmental Sample C-statistic = 0.757  Validation Sample C-statistic = 0.773
Table 3: Improvement in Bathing (continued)

1 SOC = Start of Care. ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

   Blank = significant at probability<.01
   a = significant at 0.01<probability<.05
   b = significant at 0.05<probability<.10
   c = not significant, probability>.10
### Table 4: Improvement in Bed Transferring

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>-0.158</td>
<td>0.854</td>
<td>(0.799-0.913)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.885-0.960)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.058</td>
<td>1.060</td>
<td>(1.027-1.094)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.155</td>
<td>0.856</td>
<td>(0.797-0.919)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver training/support needed</td>
<td>0.092</td>
<td>1.096</td>
<td>(1.046-1.149)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.019 c</td>
<td>1.019</td>
<td>(0.986-1.054)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.118</td>
<td>1.125</td>
<td>(1.080-1.172)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.164</td>
<td>1.178</td>
<td>(1.043-1.330)</td>
</tr>
<tr>
<td>Bathing: With the use of devices  in shower/tub</td>
<td>-0.135 a</td>
<td>0.873</td>
<td>(0.771-0.989)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.113 b</td>
<td>0.893</td>
<td>(0.789-1.011)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.180</td>
<td>0.835</td>
<td>(0.736-0.947)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-0.101 c</td>
<td>0.904</td>
<td>(0.794-1.029)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-0.142 a</td>
<td>0.868</td>
<td>(0.761-0.989)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.341</td>
<td>0.711</td>
<td>(0.607-0.832)</td>
</tr>
<tr>
<td>Chronic Conditions: Urinary incontinence or catheter</td>
<td>-0.253</td>
<td>0.776</td>
<td>(0.730-0.826)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.137</td>
<td>0.872</td>
<td>(0.834-0.911)</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.845-0.916)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.263</td>
<td>1.301</td>
<td>(1.239-1.365)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>-0.034 a</td>
<td>0.967</td>
<td>(0.937-0.997)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>-0.059</td>
<td>0.943</td>
<td>(0.915-0.972)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>-0.062</td>
<td>0.940</td>
<td>(0.898-0.985)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.148</td>
<td>0.863</td>
<td>(0.831-0.896)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.154</td>
<td>0.858</td>
<td>(0.804-0.915)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>-0.055</td>
<td>0.947</td>
<td>(0.918-0.977)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>-0.200</td>
<td>0.819</td>
<td>(0.724-0.927)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.299</td>
<td>1.349</td>
<td>(1.303-1.396)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.033-1.180)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.014 c</td>
<td>0.986</td>
<td>(0.925-1.052)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.081 b</td>
<td>0.922</td>
<td>(0.840-1.013)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.107</td>
<td>0.899</td>
<td>(0.850-0.950)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.058</td>
<td>1.060</td>
<td>(1.018-1.103)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.032 c</td>
<td>1.032</td>
<td>(0.983-1.084)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.193</td>
<td>1.213</td>
<td>(1.157-1.272)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.531</td>
<td>0.588</td>
<td>(0.519-0.666)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.796</td>
<td>0.451</td>
<td>(0.398-0.512)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.713</td>
<td>0.490</td>
<td>(0.430-0.558)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-1.598</td>
<td>0.202</td>
<td>(0.175-0.234)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>-0.008 c</td>
<td>0.992</td>
<td>(0.907-1.086)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>-0.113 a</td>
<td>0.893</td>
<td>(0.813-0.981)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>0.031 c</td>
<td>1.032</td>
<td>(0.957-1.113)</td>
</tr>
</tbody>
</table>
### Table 4: Improvement in Bed Transferring (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC$^{1,2}$</th>
<th>Coefficient$^3$</th>
<th>Odds Ratio$^3$</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>0.026 $^c$</td>
<td>1.026</td>
<td>(0.973-1.082)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.094</td>
<td>1.099</td>
<td>(1.026-1.177)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.086 $^b$</td>
<td>1.090</td>
<td>(0.993-1.196)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.052 $^c$</td>
<td>0.949</td>
<td>(0.891-1.011)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.890-0.955)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.032 $^c$</td>
<td>0.969</td>
<td>(0.903-1.039)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.003 $^c$</td>
<td>0.997</td>
<td>(0.889-1.119)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.074</td>
<td>1.077</td>
<td>(1.038-1.118)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.062 $^b$</td>
<td>0.940</td>
<td>(0.875-1.100)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.358</td>
<td>0.699</td>
<td>(0.625-0.782)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>2.483</td>
<td>11.972</td>
<td>(11.264-12.724)</td>
</tr>
<tr>
<td>Transferring: Unable to bear weight</td>
<td>3.095</td>
<td>22.091</td>
<td>(19.632-24.858)</td>
</tr>
<tr>
<td>Transferring: Bedfast, but able to reposition in bed</td>
<td>3.244</td>
<td>25.643</td>
<td>(20.361-32.296)</td>
</tr>
<tr>
<td>Transferring: Bedfast</td>
<td>3.342</td>
<td>28.276</td>
<td>(23.220-34.434)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.051</td>
<td>1.052</td>
<td>(1.013-1.093)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.038 $^c$</td>
<td>0.963</td>
<td>(0.919-1.008)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.244</td>
<td>0.783</td>
<td>(0.721-0.852)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.014 $^c$</td>
<td>1.014</td>
<td>(0.969-1.061)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.008 $^c$</td>
<td>0.992</td>
<td>(0.935-1.052)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.111</td>
<td>0.895</td>
<td>(0.840-0.954)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.147</td>
<td>0.864</td>
<td>(0.840-0.887)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.181</td>
<td>0.834</td>
<td>(0.805-0.864)</td>
</tr>
<tr>
<td>Payment Source: Any other</td>
<td>0.076 $^a$</td>
<td>1.079</td>
<td>(1.017-1.144)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.086</td>
<td>0.917</td>
<td>(0.871-0.966)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.124</td>
<td>0.883</td>
<td>(0.835-0.934)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.057 $^b$</td>
<td>0.944</td>
<td>(0.887-1.005)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.299</td>
<td>0.742</td>
<td>(0.676-0.814)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.254</td>
<td>0.776</td>
<td>(0.702-0.858)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.050 $^a$</td>
<td>0.951</td>
<td>(0.914-0.991)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.009 $^c$</td>
<td>0.991</td>
<td>(0.914-1.075)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.051 $^c$</td>
<td>0.951</td>
<td>(0.870-1.039)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.260</td>
<td>0.771</td>
<td>(0.743-0.799)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.093</td>
<td>0.911</td>
<td>(0.857-0.968)</td>
</tr>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.893-0.952)</td>
</tr>
<tr>
<td>Risk Factors: None of the listed factors</td>
<td>0.097</td>
<td>1.102</td>
<td>(1.039-1.169)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.247</td>
<td>1.280</td>
<td>(1.197-1.369)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/Partial granulation</td>
<td>0.410</td>
<td>1.507</td>
<td>(1.441-1.576)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.451</td>
<td>1.570</td>
<td>(1.463-1.685)</td>
</tr>
<tr>
<td>Stasis Ulcer Present</td>
<td>-0.242</td>
<td>0.785</td>
<td>(0.693-0.889)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>0.047 $^c$</td>
<td>1.048</td>
<td>(0.990-1.110)</td>
</tr>
</tbody>
</table>
Table 4: Improvement in Bed Transferring (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>0.128</td>
<td>1.136</td>
<td>(1.052-1.228)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.245</td>
<td>1.277</td>
<td>(1.213-1.344)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.290</td>
<td>1.336</td>
<td>(1.271-1.404)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.307</td>
<td>1.360</td>
<td>(1.292-1.430)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.365</td>
<td>1.440</td>
<td>(1.365-1.521)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.296</td>
<td>1.344</td>
<td>(1.269-1.424)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.259</td>
<td>1.296</td>
<td>(1.214-1.384)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.363</td>
<td>1.438</td>
<td>(1.329-1.556)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.185</td>
<td>1.203</td>
<td>(1.100-1.316)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.049 a</td>
<td>0.953</td>
<td>(0.901-0.990)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.200</td>
<td>0.819</td>
<td>(0.777-0.863)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.490</td>
<td>0.613</td>
<td>(0.547-0.687)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.049 b</td>
<td>0.953</td>
<td>(0.901-1.007)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.096</td>
<td>0.908</td>
<td>(0.853-0.966)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.145 a</td>
<td>0.865</td>
<td>(0.770-0.970)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.114</td>
<td>0.892</td>
<td>(0.861-0.925)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.033 c</td>
<td>1.033</td>
<td>(0.922-1.159)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.698</td>
<td>2.010</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 99
Developmental Sample R² = 0.165
Validation Sample R² = 0.164
Developmental Sample C-statistic = 0.733
Validation Sample C-statistic = 0.733

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.
² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.
³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   Blank = significant at probability<.01
   a = significant at 0.01<probability<.05
   b = significant at 0.05<probability<.10
   c = not significant, probability>.10
Table 5: Improvement in Behavior Problem Frequency

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^{1,2})</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>0.128 (^c)</td>
<td>1.137</td>
<td>(0.927-1.395)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.246 (^a)</td>
<td>1.280</td>
<td>(1.055-1.552)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.223 (^a)</td>
<td>1.249</td>
<td>(1.028-1.519)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.339</td>
<td>1.403</td>
<td>(1.128-1.745)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.262 (^a)</td>
<td>1.299</td>
<td>(1.054-1.602)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>0.290 (^a)</td>
<td>1.336</td>
<td>(1.064-1.677)</td>
</tr>
<tr>
<td>Chronic Conditions: Cognitive/mental/behavioral</td>
<td>-0.288</td>
<td>0.750</td>
<td>(0.703-0.801)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.093 (^a)</td>
<td>1.098</td>
<td>(1.001-1.204)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>0.123 (^a)</td>
<td>1.131</td>
<td>(1.017-1.257)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.015 (^c)</td>
<td>0.985</td>
<td>(0.846-1.148)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.152</td>
<td>0.859</td>
<td>(0.805-0.917)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.309</td>
<td>0.734</td>
<td>(0.619-0.870)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month</td>
<td>0.227</td>
<td>1.255</td>
<td>(1.060-1.485)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times each month</td>
<td>-0.12</td>
<td>0.887</td>
<td>(0.815-0.965)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>0.154</td>
<td>1.166</td>
<td>(1.086-1.252)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.102 (^b)</td>
<td>0.903</td>
<td>(0.815-1.001)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.277</td>
<td>0.758</td>
<td>(0.672-0.855)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>-0.322</td>
<td>0.725</td>
<td>(0.620-0.847)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.219</td>
<td>0.803</td>
<td>(0.719-0.897)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.315</td>
<td>0.729</td>
<td>(0.643-0.828)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.452</td>
<td>0.636</td>
<td>(0.540-0.751)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.036 (^c)</td>
<td>1.036</td>
<td>(0.956-1.124)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.066 (^b)</td>
<td>1.068</td>
<td>(0.989-1.154)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.159</td>
<td>1.173</td>
<td>(1.070-1.286)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.072 (^a)</td>
<td>1.075</td>
<td>(1.003-1.151)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>0.035 (^c)</td>
<td>1.036</td>
<td>(0.908-1.182)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>0.171 (^c)</td>
<td>1.187</td>
<td>(0.859-1.640)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.119 (^a)</td>
<td>1.127</td>
<td>(1.027-1.236)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.023 (^c)</td>
<td>1.023</td>
<td>(0.928-1.127)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.125 (^b)</td>
<td>0.882</td>
<td>(0.770-1.012)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.036 (^c)</td>
<td>0.964</td>
<td>(0.855-1.088)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.045 (^c)</td>
<td>0.956</td>
<td>(0.835-1.094)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.192 (^a)</td>
<td>0.825</td>
<td>(0.713-0.955)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.205</td>
<td>0.814</td>
<td>(0.771-0.861)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.049 (^c)</td>
<td>1.050</td>
<td>(0.950-1.161)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.021 (^c)</td>
<td>0.979</td>
<td>(0.892-1.076)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.036 (^c)</td>
<td>0.965</td>
<td>(0.874-1.064)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.158 (^a)</td>
<td>0.854</td>
<td>(0.750-0.972)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.228</td>
<td>0.796</td>
<td>(0.698-0.908)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.253</td>
<td>1.288</td>
<td>(1.186-1.398)</td>
</tr>
</tbody>
</table>
Table 5: Improvement in Behavior Problem Frequency (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.177</td>
<td>1.194</td>
<td>(1.086-1.312)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.255</td>
<td>1.290</td>
<td>(1.205-1.382)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.336</td>
<td>1.400</td>
<td>(1.290-1.519)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.084 a</td>
<td>0.920</td>
<td>(0.854-0.990)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.071 c</td>
<td>0.932</td>
<td>(0.843-1.029)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.99</td>
<td>2.691</td>
<td>(0.000-0.000)</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 45
Developmental Sample R² = 0.074    Validation Sample R² = 0.069
Developmental Sample C-statistic = 0.662    Validation Sample C-statistic = 0.656

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.
² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.
³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at 0.01<probability<.05
   - b = significant at 0.05<probability<.10
   - c = not significant, probability>.10
### Table 6: Improvement in Bowel Incontinence

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.156</td>
<td>0.856</td>
<td>(0.760-0.963)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: 1-3 times a week</td>
<td>0.244</td>
<td>1.276</td>
<td>(1.169-1.393)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: 4-6 times a week or more</td>
<td>0.538</td>
<td>1.712</td>
<td>(1.512-1.939)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: On a daily basis</td>
<td>0.349</td>
<td>1.418</td>
<td>(1.270-1.583)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: More often than once daily</td>
<td>1.305</td>
<td>3.688</td>
<td>(2.979-4.567)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic Pain</td>
<td>-0.156</td>
<td>0.855</td>
<td>(0.765-0.956)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver training/support needed</td>
<td>0.209</td>
<td>1.232</td>
<td>(1.063-1.429)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.299</td>
<td>0.741</td>
<td>(0.609-0.902)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.181</td>
<td>1.199</td>
<td>(1.112-1.293)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.169 c</td>
<td>1.184</td>
<td>(0.915-1.532)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.125 c</td>
<td>1.134</td>
<td>(0.889-1.445)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.063 c</td>
<td>1.065</td>
<td>(0.830-1.366)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.408</td>
<td>0.665</td>
<td>(0.513-0.861)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.054 c</td>
<td>0.947</td>
<td>(0.856-1.048)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.251</td>
<td>0.778</td>
<td>(0.691-0.876)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.432</td>
<td>0.649</td>
<td>(0.559-0.754)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.057 c</td>
<td>1.059</td>
<td>(0.949-1.181)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.093 b</td>
<td>1.097</td>
<td>(0.998-1.206)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.164</td>
<td>1.178</td>
<td>(1.056-1.314)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.158 c</td>
<td>1.171</td>
<td>(0.960-1.427)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.046 c</td>
<td>1.047</td>
<td>(0.829-1.321)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.196 a</td>
<td>0.822</td>
<td>(0.700-0.966)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.271</td>
<td>1.312</td>
<td>(1.168-1.473)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.142 a</td>
<td>1.152</td>
<td>(1.022-1.299)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.054 c</td>
<td>0.947</td>
<td>(0.803-1.117)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.202</td>
<td>1.224</td>
<td>(1.075-1.393)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.103 b</td>
<td>1.109</td>
<td>(0.982-1.252)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.125</td>
<td>1.133</td>
<td>(1.032-1.244)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.253</td>
<td>1.288</td>
<td>(1.107-1.499)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.089 c</td>
<td>1.039</td>
<td>(0.955-1.251)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.136 a</td>
<td>0.872</td>
<td>(0.768-0.991)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.222</td>
<td>0.801</td>
<td>(0.705-0.909)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.459</td>
<td>0.632</td>
<td>(0.549-0.727)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.571</td>
<td>0.565</td>
<td>(0.492-0.649)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.105 a</td>
<td>0.901</td>
<td>(0.830-0.977)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>0.14</td>
<td>1.150</td>
<td>(1.059-1.250)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.194</td>
<td>1.215</td>
<td>(1.086-1.358)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.179</td>
<td>1.196</td>
<td>(1.058-1.352)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.293</td>
<td>1.340</td>
<td>(1.227-1.464)</td>
</tr>
</tbody>
</table>
Table 6: Improvement in Bowel Incontinence (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapy Amounts: High</td>
<td>0.388</td>
<td>1.474</td>
<td>(1.333-1.629)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.020 c</td>
<td>0.980</td>
<td>(0.857-1.121)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.121 b</td>
<td>0.886</td>
<td>(0.770-1.020)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.519</td>
<td>0.595</td>
<td>(0.501-0.706)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.692</td>
<td>1.997</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 43
Developmental Sample $R^2 = 0.130$  Validation Sample $R^2 = 0.120$
Developmental Sample C-statistic = 0.711  Validation Sample C-statistic = 0.702

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at 0.01<probability<.05
- b = significant at 0.05<probability<.10
- c = not significant, probability>.10
Table 7: Improvement in Confusion Frequency

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.074</td>
<td>1.076</td>
<td>(1.038-1.116)</td>
</tr>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>0.082</td>
<td>1.085</td>
<td>(1.031-1.142)</td>
</tr>
<tr>
<td>Acute condition: Neurologic</td>
<td>0.063 a</td>
<td>1.065</td>
<td>(1.012-1.120)</td>
</tr>
<tr>
<td>Behavioral: Physical aggression to self/others</td>
<td>-0.284</td>
<td>0.753</td>
<td>(0.626-0.906)</td>
</tr>
<tr>
<td>Confusion: In new or complex situations only</td>
<td>1.623</td>
<td>5.067</td>
<td>(4.548-5.645)</td>
</tr>
<tr>
<td>Confusion: On awakening or at night only</td>
<td>1.332</td>
<td>3.789</td>
<td>(3.568-4.024)</td>
</tr>
<tr>
<td>Confusion: During the day and evening, but not constantly</td>
<td>2.05</td>
<td>7.771</td>
<td>(6.937-8.706)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.088</td>
<td>1.092</td>
<td>(1.040-1.147)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>0.086</td>
<td>1.089</td>
<td>(1.026-1.157)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.114 a</td>
<td>0.892</td>
<td>(0.804-0.990)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.229</td>
<td>0.795</td>
<td>(0.760-0.831)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.131</td>
<td>0.877</td>
<td>(0.837-0.918)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.213</td>
<td>1.237</td>
<td>(1.187-1.289)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.083 a</td>
<td>1.086</td>
<td>(1.013-1.165)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.227</td>
<td>0.797</td>
<td>(0.741-0.857)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.156</td>
<td>1.169</td>
<td>(1.101-1.242)</td>
</tr>
<tr>
<td>Behavioral: Memory deficit</td>
<td>-0.145</td>
<td>0.865</td>
<td>(0.825-0.906)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.012 c</td>
<td>0.988</td>
<td>(0.925-1.055)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.153</td>
<td>0.858</td>
<td>(0.818-0.900)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.052 c</td>
<td>1.054</td>
<td>(0.964-1.152)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.055 c</td>
<td>1.056</td>
<td>(0.967-1.154)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.025 c</td>
<td>0.975</td>
<td>(0.885-1.074)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.139 a</td>
<td>0.870</td>
<td>(0.769-0.984)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.22</td>
<td>0.803</td>
<td>(0.766-0.841)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.387</td>
<td>0.679</td>
<td>(0.631-0.730)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/total dependent</td>
<td>-0.614</td>
<td>0.541</td>
<td>(0.482-0.608)</td>
</tr>
<tr>
<td>Depression screen indicates need for further evaluation</td>
<td>0.070 a</td>
<td>1.072</td>
<td>(1.009-1.139)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>-0.002 c</td>
<td>0.998</td>
<td>(0.950-1.048)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>-0.011 c</td>
<td>0.989</td>
<td>(0.942-1.039)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.103</td>
<td>1.108</td>
<td>(1.044-1.176)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.161</td>
<td>1.174</td>
<td>(1.082-1.274)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.083-1.347)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>0.044 c</td>
<td>1.045</td>
<td>(0.971-1.125)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.194</td>
<td>0.823</td>
<td>(0.786-0.862)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.229</td>
<td>0.795</td>
<td>(0.734-0.861)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.354</td>
<td>0.702</td>
<td>(0.620-0.794)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.09</td>
<td>1.094</td>
<td>(1.043-1.147)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.253</td>
<td>1.288</td>
<td>(1.187-1.397)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.114 a</td>
<td>1.120</td>
<td>(1.002-1.253)</td>
</tr>
</tbody>
</table>
Table 7: Improvement in Confusion Frequency (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>0.044 c</td>
<td>1.045</td>
<td>(0.981-1.114)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>0.131</td>
<td>1.140</td>
<td>(1.047-1.242)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.065-1.370)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.116</td>
<td>1.123</td>
<td>(1.065-1.184)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.081</td>
<td>1.084</td>
<td>(1.021-1.151)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.020 c</td>
<td>1.020</td>
<td>(0.927-1.123)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.054 b</td>
<td>0.947</td>
<td>(0.894-1.004)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.178</td>
<td>0.837</td>
<td>(0.780-0.899)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.301</td>
<td>0.740</td>
<td>(0.682-0.803)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.109</td>
<td>0.896</td>
<td>(0.870-0.923)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.177</td>
<td>0.838</td>
<td>(0.802-0.875)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.211</td>
<td>0.810</td>
<td>(0.781-0.840)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.069 a</td>
<td>1.071</td>
<td>(1.005-1.142)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.067 a</td>
<td>1.069</td>
<td>(1.005-1.137)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, and not constant</td>
<td>0.101</td>
<td>1.107</td>
<td>(1.058-1.157)</td>
</tr>
<tr>
<td>Payment Source: Medicare, Medicaid, or Private HMO</td>
<td>-0.074</td>
<td>0.928</td>
<td>(0.884-0.976)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.088</td>
<td>1.092</td>
<td>(1.028-1.160)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.09</td>
<td>0.914</td>
<td>(0.860-0.970)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.157</td>
<td>0.855</td>
<td>(0.799-0.914)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.317</td>
<td>0.728</td>
<td>(0.662-0.801)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.383</td>
<td>0.682</td>
<td>(0.616-0.754)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Caregiver provides</td>
<td>0.127</td>
<td>1.135</td>
<td>(1.086-1.186)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Needs training/support</td>
<td>0.129</td>
<td>1.138</td>
<td>(1.062-1.219)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>0.128</td>
<td>1.136</td>
<td>(1.085-1.190)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.048 a</td>
<td>1.050</td>
<td>(1.009-1.092)</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.068</td>
<td>1.070</td>
<td>(1.021-1.122)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Other unlisted risk factors</td>
<td>-0.115</td>
<td>0.892</td>
<td>(0.843-0.943)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: None needed</td>
<td>0.127</td>
<td>1.135</td>
<td>(1.083-1.190)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.238</td>
<td>1.269</td>
<td>(1.210-1.331)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.136</td>
<td>1.145</td>
<td>(1.077-1.218)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.239</td>
<td>1.270</td>
<td>(1.215-1.328)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.298</td>
<td>1.348</td>
<td>(1.279-1.420)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.164</td>
<td>0.849</td>
<td>(0.788-0.914)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.052 a</td>
<td>0.950</td>
<td>(0.907-0.995)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.146</td>
<td>0.864</td>
<td>(0.795-0.940)</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>-0.456</td>
<td>0.634</td>
<td>(0.497-0.809)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.238</td>
<td>0.788</td>
<td></td>
</tr>
</tbody>
</table>
Table 7: Improvement in Confusion Frequency (continued)

<table>
<thead>
<tr>
<th>Number of Risk Factors: 77</th>
<th>Developmental Sample $R^2 = 0.106$</th>
<th>Validation Sample $R^2 = 0.102$</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Developmental Sample C-statistic = 0.687</td>
<td>Validation Sample C-statistic = 0.683</td>
</tr>
</tbody>
</table>

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability < .01
   - a = significant at .01 < probability < .05
   - b = significant at .05 < probability < .10
   - c = not significant, probability > .10
### Table 8: Improvement in Dyspnea

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.857</td>
<td>0.425</td>
<td>(0.404-0.446)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.146</td>
<td>1.158</td>
<td>(1.117-1.200)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-0.056</td>
<td>0.945</td>
<td>(0.912-0.980)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>-0.018 c</td>
<td>0.982</td>
<td>(0.940-1.026)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>-0.075 c</td>
<td>0.928</td>
<td>(0.819-1.051)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.039 c</td>
<td>0.962</td>
<td>(0.880-1.052)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.022 c</td>
<td>0.978</td>
<td>(0.894-1.069)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.007 c</td>
<td>1.007</td>
<td>(0.917-1.105)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.104 a</td>
<td>1.110</td>
<td>(1.004-1.227)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.049 c</td>
<td>1.050</td>
<td>(0.948-1.163)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.041 c</td>
<td>0.960</td>
<td>(0.832-1.107)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.094</td>
<td>0.910</td>
<td>(0.851-0.974)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.158</td>
<td>0.854</td>
<td>(0.814-0.895)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.226</td>
<td>1.253</td>
<td>(1.193-1.316)</td>
</tr>
<tr>
<td>Management of Equipment: None needed</td>
<td>-0.106</td>
<td>0.900</td>
<td>(0.836-0.968)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.157</td>
<td>0.854</td>
<td>(0.789-0.925)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>-0.073</td>
<td>0.930</td>
<td>(0.900-0.960)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>0.148</td>
<td>1.160</td>
<td>(1.083-1.242)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Other injury</td>
<td>-0.079 a</td>
<td>0.924</td>
<td>(0.854-0.999)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.219</td>
<td>0.803</td>
<td>(0.755-0.854)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.787-0.883)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.269</td>
<td>1.309</td>
<td>(1.260-1.359)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.162</td>
<td>1.176</td>
<td>(1.109-1.247)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.136</td>
<td>1.145</td>
<td>(1.097-1.196)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.223</td>
<td>1.250</td>
<td>(1.161-1.347)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.104</td>
<td>0.902</td>
<td>(0.856-0.949)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.024 c</td>
<td>1.024</td>
<td>(0.984-1.066)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>0.030 c</td>
<td>1.030</td>
<td>(0.985-1.077)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.093 a</td>
<td>0.912</td>
<td>(0.846-0.982)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.078 a</td>
<td>0.925</td>
<td>(0.858-0.996)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.025 c</td>
<td>1.026</td>
<td>(0.943-1.115)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.292</td>
<td>0.746</td>
<td>(0.666-0.837)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>1.109</td>
<td>3.033</td>
<td>(2.928-3.141)</td>
</tr>
<tr>
<td>Dyspnea: Minimal exertion</td>
<td>1.758</td>
<td>5.799</td>
<td>(5.496-6.118)</td>
</tr>
<tr>
<td>Dyspnea: At rest</td>
<td>2.103</td>
<td>8.193</td>
<td>(7.395-9.078)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>-0.067</td>
<td>0.935</td>
<td>(0.892-0.980)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.043 c</td>
<td>1.044</td>
<td>(0.958-1.138)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.185</td>
<td>0.831</td>
<td>(0.800-0.864)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.134</td>
<td>0.875</td>
<td>(0.843-0.908)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.053 c</td>
<td>0.949</td>
<td>(0.881-1.022)</td>
</tr>
</tbody>
</table>
Table 8: Improvement in Dyspnea (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;b&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>0.044 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.045</td>
<td>(0.919-1.188)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.185</td>
<td>1.203</td>
<td>(1.152-1.257)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.124</td>
<td>1.132</td>
<td>(1.047-1.223)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.031 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.970</td>
<td>(0.855-1.100)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.086</td>
<td>0.917</td>
<td>(0.870-0.967)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.023 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.978</td>
<td>(0.905-1.056)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>0.032 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.033</td>
<td>(0.911-1.171)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.140</td>
<td>1.150</td>
<td>(1.100-1.203)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.057 &lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.944</td>
<td>(0.896-0.995)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.378</td>
<td>0.685</td>
<td>(0.628-0.747)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.088</td>
<td>1.092</td>
<td>(1.039-1.148)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>0.145</td>
<td>1.156</td>
<td>(1.083-1.233)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>0.138</td>
<td>1.148</td>
<td>(1.072-1.230)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.154</td>
<td>0.857</td>
<td>(0.830-0.885)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.045 &lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.956</td>
<td>(0.914-1.000)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.050 &lt;sup&gt;b&lt;/sup&gt;</td>
<td>1.051</td>
<td>(0.994-1.111)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.027 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.973</td>
<td>(0.923-1.026)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.090</td>
<td>0.914</td>
<td>(0.882-0.946)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.098</td>
<td>0.907</td>
<td>(0.869-0.947)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.042 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.958</td>
<td>(0.880-1.044)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.096 &lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.908</td>
<td>(0.827-0.998)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Caregiver provides</td>
<td>0.089</td>
<td>1.093</td>
<td>(1.048-1.140)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.264</td>
<td>1.302</td>
<td>(1.202-1.410)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.425</td>
<td>1.529</td>
<td>(1.450-1.612)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.463</td>
<td>1.589</td>
<td>(1.465-1.723)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>0.103</td>
<td>1.108</td>
<td>(1.042-1.178)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>0.167</td>
<td>1.182</td>
<td>(1.084-1.288)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.354</td>
<td>1.425</td>
<td>(1.343-1.511)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.392</td>
<td>1.480</td>
<td>(1.397-1.568)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.373</td>
<td>1.452</td>
<td>(1.369-1.541)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.305</td>
<td>1.356</td>
<td>(1.274-1.443)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.137</td>
<td>1.146</td>
<td>(1.075-1.223)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.258</td>
<td>1.294</td>
<td>(1.200-1.396)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.312</td>
<td>1.366</td>
<td>(1.245-1.499)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.241</td>
<td>1.273</td>
<td>(1.149-1.410)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.038 &lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.963</td>
<td>(0.921-1.007)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.064 &lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.938</td>
<td>(0.884-0.995)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>0.037 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.038</td>
<td>(0.914-1.179)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.002 &lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.998</td>
<td>(0.951-1.047)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.137</td>
<td>0.872</td>
<td>(0.822-0.925)</td>
</tr>
</tbody>
</table>
Table 8: Improvement in Dyspnea (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.148 a</td>
<td>0.863 (0.771-0.966)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.185</td>
<td>0.831 (0.800-0.863)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.054 c</td>
<td>0.948 (0.835-1.076)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.325</td>
<td>0.723</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 83
Developmental Sample R² = 0.117     Validation Sample R² = 0.114
Developmental Sample C-statistic = 0.703    Validation Sample C-statistic = 0.700

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01
a = significant at .01<probability<.05
b = significant at .05<probability<.10
c = not significant, probability>.10
### Table 9: Improvement in Eating

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>-0.701</td>
<td>0.496</td>
<td>(0.379-0.650)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.068</td>
<td>1.071</td>
<td>(1.020-1.124)</td>
</tr>
<tr>
<td>Advocacy Assistance: None Needed</td>
<td>0.182</td>
<td>1.199</td>
<td>(1.083-1.329)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.041 c</td>
<td>1.042</td>
<td>(0.991-1.094)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.112</td>
<td>1.119</td>
<td>(1.055-1.187)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.288</td>
<td>1.334</td>
<td>(1.127-1.579)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: At least daily</td>
<td>0.002 c</td>
<td>1.002</td>
<td>(0.827-1.215)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>0.157 c</td>
<td>1.170</td>
<td>(0.947-1.444)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.298 a</td>
<td>1.348</td>
<td>(1.064-1.706)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Received less than weekly</td>
<td>0.144 c</td>
<td>1.155</td>
<td>(0.855-1.560)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.135</td>
<td>0.874</td>
<td>(0.802-0.952)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.171</td>
<td>0.843</td>
<td>(0.768-0.924)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>1.802</td>
<td>6.060</td>
<td>(5.419-6.777)</td>
</tr>
<tr>
<td>Eating: Receives nutrients orally and through tube</td>
<td>0.748</td>
<td>2.114</td>
<td>(1.491-2.966)</td>
</tr>
<tr>
<td>Eating: Only receives nutrients through tube</td>
<td>0.67</td>
<td>1.954</td>
<td>(1.368-2.792)</td>
</tr>
<tr>
<td>Eating: Unable to take nutrients orally or by tube</td>
<td>2.846</td>
<td>17.212</td>
<td>(7.659-38.681)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.093</td>
<td>1.098</td>
<td>(1.050-1.147)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.085 a</td>
<td>0.918</td>
<td>(0.852-0.990)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.2</td>
<td>0.819</td>
<td>(0.753-0.890)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.418</td>
<td>0.658</td>
<td>(0.578-0.749)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.059 a</td>
<td>1.060</td>
<td>(1.012-1.112)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>0.096 a</td>
<td>1.101</td>
<td>(1.010-1.200)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.064 a</td>
<td>0.938</td>
<td>(0.886-0.993)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.267</td>
<td>0.766</td>
<td>(0.704-0.833)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.15</td>
<td>0.860</td>
<td>(0.816-0.907)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.167</td>
<td>1.182</td>
<td>(1.074-1.300)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.167</td>
<td>1.181</td>
<td>(1.062-1.314)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.163</td>
<td>1.177</td>
<td>(1.072-1.292)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.173</td>
<td>1.189</td>
<td>(1.089-1.297)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.238</td>
<td>1.269</td>
<td>(1.175-1.370)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.261</td>
<td>0.770</td>
<td>(0.715-0.830)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.191</td>
<td>1.211</td>
<td>(1.102-1.331)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.109</td>
<td>0.897</td>
<td>(0.855-0.940)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.104 b</td>
<td>0.901</td>
<td>(0.802-1.013)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.108</td>
<td>1.114</td>
<td>(1.042-1.190)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.106 a</td>
<td>0.899</td>
<td>(0.819-0.987)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.142 a</td>
<td>0.867</td>
<td>(0.770-0.977)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.175</td>
<td>1.191</td>
<td>(1.077-1.318)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.095 a</td>
<td>0.909</td>
<td>(0.843-0.981)</td>
</tr>
</tbody>
</table>
### Table 9: Improvement in Eating (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds Ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age: 75-84</td>
<td>-0.041 c</td>
<td>0.959</td>
<td>(0.906-1.016)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.157</td>
<td>0.854</td>
<td>(0.803-0.909)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.079 c</td>
<td>1.082</td>
<td>(0.933-1.256)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.013 c</td>
<td>1.013</td>
<td>(0.875-1.173)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.017 c</td>
<td>1.017</td>
<td>(0.873-1.184)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.45</td>
<td>0.638</td>
<td>(0.536-0.758)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.119</td>
<td>0.888</td>
<td>(0.844-0.933)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.165</td>
<td>0.848</td>
<td>(0.779-0.923)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.234</td>
<td>0.792</td>
<td>(0.693-0.904)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.111 a</td>
<td>0.895</td>
<td>(0.807-0.993)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.120 a</td>
<td>0.887</td>
<td>(0.788-0.999)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.303</td>
<td>0.739</td>
<td>(0.635-0.858)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.079 a</td>
<td>1.083</td>
<td>(1.015-1.155)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.006 c</td>
<td>1.006</td>
<td>(0.935-1.083)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.193</td>
<td>0.825</td>
<td>(0.737-0.923)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.048 c</td>
<td>0.953</td>
<td>(0.879-1.034)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.124 a</td>
<td>0.883</td>
<td>(0.804-0.971)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.292</td>
<td>0.747</td>
<td>(0.674-0.827)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.103</td>
<td>0.902</td>
<td>(0.857-0.950)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.063 a</td>
<td>0.939</td>
<td>(0.889-0.990)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.09</td>
<td>0.914</td>
<td>(0.861-0.969)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.229</td>
<td>0.796</td>
<td>(0.754-0.839)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.034 c</td>
<td>1.034</td>
<td>(0.954-1.121)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.035 c</td>
<td>1.035</td>
<td>(0.960-1.117)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.012 c</td>
<td>0.988</td>
<td>(0.935-1.045)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.153</td>
<td>1.166</td>
<td>(1.075-1.264)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.28</td>
<td>0.756</td>
<td>(0.692-0.826)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.183</td>
<td>0.833</td>
<td>(0.779-0.890)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.219</td>
<td>0.803</td>
<td>(0.749-0.861)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.207</td>
<td>0.813</td>
<td>(0.750-0.881)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.452</td>
<td>0.637</td>
<td>(0.571-0.710)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.552</td>
<td>0.576</td>
<td>(0.511-0.649)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.127</td>
<td>0.881</td>
<td>(0.832-0.932)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.084 c</td>
<td>0.919</td>
<td>(0.825-1.024)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.194</td>
<td>0.824</td>
<td>(0.729-0.931)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.118</td>
<td>0.888</td>
<td>(0.846-0.933)</td>
</tr>
<tr>
<td>Pressure Ulcer: None present</td>
<td>0.15</td>
<td>1.162</td>
<td>(1.045-1.292)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>0.064 a</td>
<td>1.066</td>
<td>(1.008-1.128)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.084</td>
<td>1.088</td>
<td>(1.037-1.141)</td>
</tr>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>0.050 a</td>
<td>1.051</td>
<td>(1.003-1.102)</td>
</tr>
</tbody>
</table>
### Table 9: Improvement in Eating (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^1,^2)</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3) (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.109</td>
<td>1.115 (1.055-1.179)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.287</td>
<td>1.333 (1.213-1.465)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.008 (^c)</td>
<td>1.008 (0.877-1.159)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.325</td>
<td>1.384 (1.238-1.547)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.347</td>
<td>1.414 (1.224-1.633)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.137</td>
<td>1.146 (1.064-1.235)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.399</td>
<td>1.491 (1.409-1.577)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.383</td>
<td>1.467 (1.375-1.564)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.288</td>
<td>1.333 (1.234-1.441)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.022 (^c)</td>
<td>1.022 (0.958-1.091)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.103</td>
<td>0.902 (0.836-0.973)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.271</td>
<td>0.763 (0.673-0.865)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.213</td>
<td>0.808 (0.770-0.848)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.354</td>
<td>0.702 (0.611-0.806)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.526</td>
<td>1.692</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 93
Developmental Sample \(R^2 = 0.201\)                     Validation Sample \(R^2 = 0.199\)
Developmental Sample C-statistic = 0.764               Validation Sample C-statistic = 0.763

---

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 10: Improvement in Grooming

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.091</td>
<td>1.095</td>
<td>(1.052-1.141)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.136</td>
<td>0.873</td>
<td>(0.806-0.946)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.107</td>
<td>0.898</td>
<td>(0.851-0.948)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.015 c</td>
<td>1.015</td>
<td>(0.973-1.059)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.117</td>
<td>1.124</td>
<td>(1.068-1.184)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.318</td>
<td>1.374</td>
<td>(1.182-1.597)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>-0.089</td>
<td>0.915</td>
<td>(0.869-0.963)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.153</td>
<td>1.166</td>
<td>(1.099-1.237)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-2.398</td>
<td>0.091</td>
<td>(0.080-0.103)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-1.191</td>
<td>0.304</td>
<td>(0.270-0.343)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Intracranial injury</td>
<td>0.400 a</td>
<td>1.492</td>
<td>(1.049-2.122)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.104</td>
<td>0.902</td>
<td>(0.859-0.946)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.335</td>
<td>0.715</td>
<td>(0.665-0.769)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.13</td>
<td>0.878</td>
<td>(0.840-0.917)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>0.088</td>
<td>1.092</td>
<td>(1.049-1.137)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>0.052 c</td>
<td>1.053</td>
<td>(0.919-1.207)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver currently provides</td>
<td>0.128</td>
<td>1.137</td>
<td>(1.057-1.223)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.816-0.949)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.121</td>
<td>1.129</td>
<td>(1.040-1.225)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.171</td>
<td>1.186</td>
<td>(1.081-1.302)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.138</td>
<td>1.148</td>
<td>(1.059-1.245)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.22</td>
<td>1.246</td>
<td>(1.155-1.344)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.18</td>
<td>1.197</td>
<td>(1.129-1.271)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.205</td>
<td>1.227</td>
<td>(1.142-1.318)</td>
</tr>
<tr>
<td>Lives alone with no assistance</td>
<td>0.436</td>
<td>1.547</td>
<td>(1.161-2.062)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.232</td>
<td>1.261</td>
<td>(1.179-1.349)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.021 c</td>
<td>0.979</td>
<td>(0.917-1.044)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.117</td>
<td>0.890</td>
<td>(0.828-0.956)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.24</td>
<td>1.271</td>
<td>(1.199-1.347)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.194</td>
<td>0.824</td>
<td>(0.774-0.878)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.010 c</td>
<td>0.990</td>
<td>(0.943-1.039)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.164</td>
<td>0.849</td>
<td>(0.805-0.895)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.124 a</td>
<td>0.883</td>
<td>(0.781-0.999)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.214</td>
<td>0.807</td>
<td>(0.716-0.910)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.248</td>
<td>0.781</td>
<td>(0.690-0.883)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.849</td>
<td>0.428</td>
<td>(0.373-0.491)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.064</td>
<td>0.938</td>
<td>(0.896-0.982)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.184</td>
<td>0.832</td>
<td>(0.777-0.890)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.476</td>
<td>0.621</td>
<td>(0.549-0.703)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.097</td>
<td>1.102</td>
<td>(1.048-1.159)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC¹²</td>
<td>Coefficient³</td>
<td>Odds ratio³</td>
<td>(95% CI)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------</td>
<td>------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.084</td>
<td>1.088</td>
<td>(1.035-1.143)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.142</td>
<td>1.152</td>
<td>(1.082-1.227)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.065</td>
<td>0.937</td>
<td>(0.901-0.975)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.21</td>
<td>0.810</td>
<td>(0.730-0.899)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.325</td>
<td>0.723</td>
<td>(0.591-0.884)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.036 c</td>
<td>1.037</td>
<td>(0.952-1.129)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.116 a</td>
<td>1.122</td>
<td>(1.003-1.256)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.091 a</td>
<td>0.913</td>
<td>(0.846-0.985)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.085</td>
<td>0.919</td>
<td>(0.878-0.961)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.142</td>
<td>0.868</td>
<td>(0.804-0.937)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.343</td>
<td>0.710</td>
<td>(0.629-0.802)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.075</td>
<td>1.078</td>
<td>(1.024-1.136)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.089</td>
<td>0.915</td>
<td>(0.862-0.972)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.347</td>
<td>0.707</td>
<td>(0.642-0.779)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.083</td>
<td>0.920</td>
<td>(0.868-0.976)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.159</td>
<td>0.853</td>
<td>(0.793-0.917)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.369</td>
<td>0.691</td>
<td>(0.635-0.752)</td>
</tr>
<tr>
<td>Respiratory Treatments: Oxygen</td>
<td>-0.201</td>
<td>0.818</td>
<td>(0.776-0.862)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.069</td>
<td>0.934</td>
<td>(0.894-0.975)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.094</td>
<td>0.910</td>
<td>(0.878-0.944)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.142</td>
<td>0.867</td>
<td>(0.834-0.902)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.281</td>
<td>0.755</td>
<td>(0.717-0.796)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.098</td>
<td>1.103</td>
<td>(1.031-1.179)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.079 a</td>
<td>1.082</td>
<td>(1.016-1.153)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.121</td>
<td>1.128</td>
<td>(1.077-1.182)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.109</td>
<td>1.115</td>
<td>(1.043-1.193)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.088</td>
<td>0.916</td>
<td>(0.863-0.972)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.211</td>
<td>0.810</td>
<td>(0.762-0.860)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.227</td>
<td>0.797</td>
<td>(0.745-0.852)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.433</td>
<td>0.648</td>
<td>(0.590-0.713)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.592</td>
<td>0.553</td>
<td>(0.499-0.614)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.093</td>
<td>0.911</td>
<td>(0.870-0.955)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.059 c</td>
<td>0.943</td>
<td>(0.860-1.034)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>-0.064 c</td>
<td>0.938</td>
<td>(0.845-1.042)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Needs training/support</td>
<td>0.081 a</td>
<td>1.085</td>
<td>(1.010-1.165)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.225</td>
<td>0.798</td>
<td>(0.766-0.832)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.105</td>
<td>0.901</td>
<td>(0.845-0.960)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>0.08</td>
<td>1.084</td>
<td>(1.034-1.136)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.053 a</td>
<td>1.055</td>
<td>(1.012-1.099)</td>
</tr>
</tbody>
</table>
Table 10: Improvement in Grooming (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>0.059 a</td>
<td>1.061</td>
<td>(1.008-1.117)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.26</td>
<td>1.297</td>
<td>(1.196-1.406)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.042 c</td>
<td>1.043</td>
<td>(0.925-1.176)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.404</td>
<td>1.499</td>
<td>(1.361-1.650)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.393</td>
<td>1.481</td>
<td>(1.307-1.678)</td>
</tr>
<tr>
<td>Stasis Ulcer Present</td>
<td>-0.206</td>
<td>0.814</td>
<td>(0.706-0.939)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.128</td>
<td>1.136</td>
<td>(1.068-1.209)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.463</td>
<td>1.589</td>
<td>(1.515-1.667)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.472</td>
<td>1.604</td>
<td>(1.520-1.693)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.181</td>
<td>0.835</td>
<td>(0.776-0.898)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.134</td>
<td>0.875</td>
<td>(0.832-0.919)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.335</td>
<td>0.715</td>
<td>(0.673-0.760)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.682</td>
<td>0.506</td>
<td>(0.453-0.564)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.139</td>
<td>0.871</td>
<td>(0.784-0.966)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.357</td>
<td>0.700</td>
<td>(0.627-0.782)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.484</td>
<td>0.616</td>
<td>(0.529-0.718)</td>
</tr>
<tr>
<td>Behavioral: Verbally disruptive/inappropriate</td>
<td>-0.26</td>
<td>0.771</td>
<td>(0.664-0.895)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.064</td>
<td>0.938</td>
<td>(0.899-0.978)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.224</td>
<td>0.799</td>
<td>(0.707-0.903)</td>
</tr>
<tr>
<td>Constant</td>
<td>3.475</td>
<td>32.304</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 99
Developmental Sample $R^2 = 0.189$
Developmental Sample C-statistic = 0.764
Validation Sample $R^2 = 0.187$
Validation Sample C-statistic = 0.76

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
Table 11: Improvement in Light Meal Preparation

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>-0.263 a</td>
<td>0.769</td>
<td>(0.607-0.975)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.205</td>
<td>0.814</td>
<td>(0.773-0.857)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.057</td>
<td>1.058</td>
<td>(1.019-1.099)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.143</td>
<td>0.867</td>
<td>(0.817-0.920)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver training/support needed</td>
<td>-0.108</td>
<td>0.898</td>
<td>(0.831-0.971)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.045 a</td>
<td>1.046</td>
<td>(1.005-1.088)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.152</td>
<td>1.164</td>
<td>(1.110-1.221)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.321</td>
<td>1.378</td>
<td>(1.202-1.580)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: At least daily</td>
<td>0.044 c</td>
<td>1.045</td>
<td>(0.910-1.201)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>0.216</td>
<td>1.241</td>
<td>(1.069-1.441)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.24</td>
<td>1.271</td>
<td>(1.079-1.498)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Received less than weekly</td>
<td>0.039 c</td>
<td>1.039</td>
<td>(0.843-1.282)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.086</td>
<td>0.917</td>
<td>(0.873-0.964)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.042 a</td>
<td>1.043</td>
<td>(1.005-1.082)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.088</td>
<td>0.916</td>
<td>(0.874-0.960)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.32</td>
<td>0.726</td>
<td>(0.680-0.775)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.142</td>
<td>0.868</td>
<td>(0.831-0.906)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>0.056 a</td>
<td>1.057</td>
<td>(1.010-1.107)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.109</td>
<td>0.897</td>
<td>(0.836-0.961)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.238</td>
<td>1.269</td>
<td>(1.179-1.367)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.13</td>
<td>1.138</td>
<td>(1.051-1.233)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.095</td>
<td>1.099</td>
<td>(1.024-1.179)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.122</td>
<td>1.130</td>
<td>(1.057-1.208)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.109 a</td>
<td>1.116</td>
<td>(1.022-1.217)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.114</td>
<td>1.121</td>
<td>(1.030-1.220)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>0.088 c</td>
<td>1.092</td>
<td>(0.976-1.221)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.368</td>
<td>1.445</td>
<td>(1.364-1.531)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.659</td>
<td>0.518</td>
<td>(0.486-0.551)</td>
</tr>
<tr>
<td>Lives in congregate situation with regular daytime assistance</td>
<td>-0.879</td>
<td>0.415</td>
<td>(0.284-0.606)</td>
</tr>
<tr>
<td>Lives in congregate situation-occasional/short term assistance</td>
<td>-0.659</td>
<td>0.517</td>
<td>(0.403-0.663)</td>
</tr>
<tr>
<td>Lives alone with regular daytime assistance</td>
<td>0.24</td>
<td>1.271</td>
<td>(1.139-1.419)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.359</td>
<td>1.433</td>
<td>(1.325-1.549)</td>
</tr>
<tr>
<td>Lives with other person(s) with regular nighttime assistance</td>
<td>0.137</td>
<td>1.147</td>
<td>(1.053-1.249)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.066 a</td>
<td>0.936</td>
<td>(0.882-0.993)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.173</td>
<td>1.189</td>
<td>(1.096-1.289)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>1.07</td>
<td>2.917</td>
<td>(2.801-3.037)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.096 a</td>
<td>1.101</td>
<td>(1.018-1.190)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.129</td>
<td>0.879</td>
<td>(0.830-0.931)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.066</td>
<td>0.936</td>
<td>(0.896-0.977)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.312</td>
<td>0.732</td>
<td>(0.698-0.768)</td>
</tr>
</tbody>
</table>
Table 11: Improvement in Light Meal Preparation (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.083&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.920</td>
<td>(0.842-1.005)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.222</td>
<td>0.801</td>
<td>(0.736-0.872)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.255</td>
<td>0.775</td>
<td>(0.707-0.850)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.778</td>
<td>0.459</td>
<td>(0.410-0.514)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.07</td>
<td>0.933</td>
<td>(0.895-0.972)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.153</td>
<td>0.859</td>
<td>(0.803-0.918)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.43</td>
<td>0.651</td>
<td>(0.563-0.752)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.098</td>
<td>1.103</td>
<td>(1.055-1.154)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.068</td>
<td>1.070</td>
<td>(1.022-1.121)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.137-1.284)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.053</td>
<td>0.949</td>
<td>(0.915-0.983)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>0.013&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.014</td>
<td>(0.901-1.140)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.207&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.813</td>
<td>(0.613-1.079)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.116</td>
<td>1.123</td>
<td>(1.037-1.216)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.036&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.036</td>
<td>(0.931-1.153)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>0.048&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.049</td>
<td>(0.977-1.128)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.087</td>
<td>0.916</td>
<td>(0.879-0.956)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.135</td>
<td>0.873</td>
<td>(0.808-0.944)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.3</td>
<td>0.741</td>
<td>(0.644-0.852)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.087</td>
<td>1.091</td>
<td>(1.044-1.141)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.055&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.056</td>
<td>(0.981-1.137)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.094&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.911</td>
<td>(0.808-1.026)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.085</td>
<td>1.088</td>
<td>(1.039-1.140)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.046&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.955</td>
<td>(0.904-1.009)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.209</td>
<td>0.811</td>
<td>(0.740-0.890)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.126</td>
<td>0.881</td>
<td>(0.828-0.938)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.273</td>
<td>0.761</td>
<td>(0.707-0.819)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.497</td>
<td>0.608</td>
<td>(0.560-0.661)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.266</td>
<td>0.767</td>
<td>(0.743-0.791)</td>
</tr>
<tr>
<td>Prior Management of Injectable Meds: Not applicable</td>
<td>0.083</td>
<td>1.086</td>
<td>(1.043-1.132)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.138</td>
<td>0.871</td>
<td>(0.824-0.921)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.176</td>
<td>0.838</td>
<td>(0.809-0.869)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.122</td>
<td>0.885</td>
<td>(0.852-0.920)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.119</td>
<td>1.127</td>
<td>(1.060-1.198)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.056&lt;sup&gt;b&lt;/sup&gt;</td>
<td>1.057</td>
<td>(0.996-1.122)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.101</td>
<td>1.106</td>
<td>(1.059-1.155)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.178</td>
<td>1.194</td>
<td>(1.123-1.270)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.35</td>
<td>0.705</td>
<td>(0.656-0.757)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.053&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.949</td>
<td>(0.896-1.005)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.786-0.884)</td>
</tr>
</tbody>
</table>
Table 11: Improvement in Light Meal Preparation (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.215</td>
<td>0.806</td>
<td>(0.755-0.861)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.549</td>
<td>0.577</td>
<td>(0.520-0.641)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.487</td>
<td>0.614</td>
<td>(0.549-0.688)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.058 a</td>
<td>0.944</td>
<td>(0.901-0.989)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.015 c</td>
<td>0.985</td>
<td>(0.899-1.080)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.149</td>
<td>0.862</td>
<td>(0.780-0.952)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.164</td>
<td>0.849</td>
<td>(0.816-0.884)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.126</td>
<td>0.882</td>
<td>(0.827-0.939)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>0.046 a</td>
<td>1.047</td>
<td>(1.002-1.093)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>-0.131</td>
<td>0.877</td>
<td>(0.845-0.911)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.302</td>
<td>1.352</td>
<td>(1.262-1.449)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.092 b</td>
<td>1.096</td>
<td>(0.991-1.213)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.341</td>
<td>1.406</td>
<td>(1.298-1.523)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.322</td>
<td>1.379</td>
<td>(1.244-1.530)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>0.028 c</td>
<td>1.028</td>
<td>(0.582-1.817)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>-0.325</td>
<td>0.722</td>
<td>(0.574-0.909)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>-0.275</td>
<td>0.759</td>
<td>(0.626-0.921)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.086</td>
<td>1.089</td>
<td>(1.028-1.154)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.287</td>
<td>1.333</td>
<td>(1.275-1.393)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.347</td>
<td>1.414</td>
<td>(1.343-1.490)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.292</td>
<td>0.746</td>
<td>(0.693-0.804)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.013 c</td>
<td>1.013</td>
<td>(0.967-1.061)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.146</td>
<td>0.864</td>
<td>(0.815-0.917)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.474</td>
<td>0.623</td>
<td>(0.550-0.705)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.137</td>
<td>0.872</td>
<td>(0.811-0.937)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.311</td>
<td>0.733</td>
<td>(0.678-0.792)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.444</td>
<td>0.641</td>
<td>(0.563-0.731)</td>
</tr>
<tr>
<td>Behavioral: Verbally disruptive/inappropriate</td>
<td>-0.259</td>
<td>0.772</td>
<td>(0.657-0.906)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.161</td>
<td>0.851</td>
<td>(0.818-0.886)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.335</td>
<td>0.716</td>
<td>(0.631-0.812)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.833</td>
<td>2.301</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 110
Developmental Sample R² = 0.244 Validation Sample R² = 0.788
Developmental Sample C-statistic = 0.788 Validation Sample C-statistic = 0.786
Table 11: Improvement in Light Meal Preparation (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

   Blank = significant at probability<.01
   a = significant at .01<probability<.05
   b = significant at .05<probability<.10
   c = not significant, probability>.10
Table 12: Improvement in Lower Body Dressing

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^{12})</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^4)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.042 (^{a})</td>
<td>1.042</td>
<td>(1.005-1.081)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.043 (^{a})</td>
<td>1.044</td>
<td>(1.005-1.084)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.168</td>
<td>0.845</td>
<td>(0.796-0.899)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver training/support needed</td>
<td>-0.166</td>
<td>0.847</td>
<td>(0.783-0.917)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.023 (^{c})</td>
<td>1.023</td>
<td>(0.984-1.063)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.115</td>
<td>1.122</td>
<td>(1.070-1.176)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.295</td>
<td>1.343</td>
<td>(1.170-1.542)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.088 (^{c})</td>
<td>0.916</td>
<td>(0.719-1.167)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.048 (^{c})</td>
<td>0.953</td>
<td>(0.751-1.210)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.166 (^{c})</td>
<td>0.847</td>
<td>(0.666-1.077)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.019 (^{c})</td>
<td>1.020</td>
<td>(0.666-1.077)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-0.233 (^{b})</td>
<td>0.793</td>
<td>(0.621-1.011)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.43</td>
<td>0.651</td>
<td>(0.502-0.843)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: At least daily</td>
<td>0.041 (^{c})</td>
<td>1.042</td>
<td>(0.915-1.185)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>0.256</td>
<td>1.292</td>
<td>(1.125-1.484)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.277</td>
<td>1.319</td>
<td>(1.135-1.532)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.105</td>
<td>0.900</td>
<td>(0.859-0.943)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>0.092</td>
<td>1.096</td>
<td>(1.038-1.158)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.069</td>
<td>0.934</td>
<td>(0.891-0.978)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.046</td>
<td>1.047</td>
<td>(1.012-1.084)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.027 (^{c})</td>
<td>0.973</td>
<td>(0.926-1.023)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.052 (^{c})</td>
<td>0.950</td>
<td>(0.892-1.011)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.226</td>
<td>0.798</td>
<td>(0.702-0.907)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.042 (^{a})</td>
<td>1.043</td>
<td>(1.005-1.082)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Intracranial injury</td>
<td>0.434 (^{a})</td>
<td>1.543</td>
<td>(1.108-2.148)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>0.102</td>
<td>1.107</td>
<td>(1.037-1.183)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.073</td>
<td>0.929</td>
<td>(0.888-0.972)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.172</td>
<td>0.842</td>
<td>(0.788-0.901)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.142</td>
<td>0.868</td>
<td>(0.833-0.904)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>0.103</td>
<td>1.108</td>
<td>(1.059-1.160)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.073 (^{a})</td>
<td>0.930</td>
<td>(0.866-0.998)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.183</td>
<td>0.833</td>
<td>(0.778-0.892)</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>0.13</td>
<td>1.139</td>
<td>(1.095-1.185)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.168</td>
<td>1.183</td>
<td>(1.090-1.283)</td>
</tr>
<tr>
<td>Discharged from long-term care hospital (LTCH) past 14 days</td>
<td>0.157 (^{a})</td>
<td>1.169</td>
<td>(1.001-1.366)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.122</td>
<td>1.130</td>
<td>(1.035-1.233)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.088 (^{a})</td>
<td>1.092</td>
<td>(1.010-1.181)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.155</td>
<td>1.167</td>
<td>(1.082-1.259)</td>
</tr>
<tr>
<td>Receiving intravenous or infusion therapy</td>
<td>0.139 (^{a})</td>
<td>1.150</td>
<td>(1.028-1.286)</td>
</tr>
</tbody>
</table>
### Table 12: Improvement in Lower Body Dressing (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.618</td>
<td>1.855</td>
<td>(1.774-1.940)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>2.365</td>
<td>10.644</td>
<td>(9.646-11.746)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.258</td>
<td>1.295</td>
<td>(1.225-1.369)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>0.078</td>
<td>1.082</td>
<td>(1.020-1.147)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.235</td>
<td>1.265</td>
<td>(1.174-1.364)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.232</td>
<td>1.262</td>
<td>(1.183-1.346)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.027</td>
<td>1.027</td>
<td>(0.975-1.083)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.111</td>
<td>0.895</td>
<td>(0.842-0.950)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.207</td>
<td>1.231</td>
<td>(1.166-1.298)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.115</td>
<td>0.892</td>
<td>(0.843-0.943)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.002</td>
<td>1.002</td>
<td>(0.960-1.046)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.126</td>
<td>0.881</td>
<td>(0.840-0.924)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.155</td>
<td>0.856</td>
<td>(0.769-0.953)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.281</td>
<td>0.755</td>
<td>(0.679-0.840)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.347</td>
<td>0.707</td>
<td>(0.632-0.790)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-1.039</td>
<td>0.354</td>
<td>(0.311-0.403)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.030</td>
<td>0.971</td>
<td>(0.901-1.046)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.027</td>
<td>0.973</td>
<td>(0.903-1.049)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.126</td>
<td>0.882</td>
<td>(0.810-0.960)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.019</td>
<td>1.019</td>
<td>(0.979-1.062)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.032</td>
<td>0.969</td>
<td>(0.910-1.031)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.212</td>
<td>0.809</td>
<td>(0.718-0.913)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.022-1.192)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.090</td>
<td>1.094</td>
<td>(0.987-1.212)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.027</td>
<td>0.973</td>
<td>(0.908-1.043)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.059</td>
<td>0.942</td>
<td>(0.905-0.982)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.072</td>
<td>0.931</td>
<td>(0.865-1.002)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.141</td>
<td>0.869</td>
<td>(0.771-0.978)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.074</td>
<td>1.077</td>
<td>(1.031-1.125)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.13</td>
<td>1.139</td>
<td>(1.058-1.227)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.058</td>
<td>0.943</td>
<td>(0.841-1.058)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.1</td>
<td>0.905</td>
<td>(0.847-0.966)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.144</td>
<td>0.866</td>
<td>(0.797-0.941)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.261</td>
<td>0.770</td>
<td>(0.683-0.868)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.115</td>
<td>1.122</td>
<td>(1.072-1.173)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.028</td>
<td>0.972</td>
<td>(0.922-1.026)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.283</td>
<td>0.754</td>
<td>(0.689-0.825)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.019</td>
<td>1.019</td>
<td>(0.969-1.072)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.028</td>
<td>0.973</td>
<td>(0.911-1.038)</td>
</tr>
</tbody>
</table>
### Table 12: Improvement in Lower Body Dressing (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.209</td>
<td>0.811</td>
<td>(0.751-0.876)</td>
</tr>
<tr>
<td>Respiratory Treatments: Oxygen</td>
<td>-0.133</td>
<td>0.876</td>
<td>(0.829-0.925)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.074</td>
<td>0.929</td>
<td>(0.893-0.966)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.103</td>
<td>0.902</td>
<td>(0.873-0.931)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.142</td>
<td>0.868</td>
<td>(0.837-0.900)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.268</td>
<td>0.765</td>
<td>(0.732-0.799)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.049 c</td>
<td>1.051</td>
<td>(0.989-1.116)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.037 c</td>
<td>1.037</td>
<td>(0.979-1.100)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.078</td>
<td>1.081</td>
<td>(1.036-1.128)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.034 c</td>
<td>1.034</td>
<td>(0.973-1.099)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.109</td>
<td>0.897</td>
<td>(0.835-0.962)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.033 c</td>
<td>0.967</td>
<td>(0.914-1.023)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.112</td>
<td>0.894</td>
<td>(0.844-0.947)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.079 a</td>
<td>0.924</td>
<td>(0.867-0.986)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.366</td>
<td>0.693</td>
<td>(0.632-0.761)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.338</td>
<td>0.713</td>
<td>(0.645-0.789)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.064</td>
<td>0.938</td>
<td>(0.898-0.979)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.061 c</td>
<td>0.941</td>
<td>(0.863-1.024)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>0.007 c</td>
<td>1.007</td>
<td>(0.914-1.109)</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>-0.245</td>
<td>0.783</td>
<td>(0.710-0.863)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.203</td>
<td>0.816</td>
<td>(0.785-0.849)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.067</td>
<td>1.069</td>
<td>(1.030-1.111)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.174</td>
<td>1.190</td>
<td>(1.108-1.278)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.057 c</td>
<td>1.059</td>
<td>(0.953-1.176)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.222</td>
<td>1.249</td>
<td>(1.150-1.356)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.316</td>
<td>1.372</td>
<td>(1.231-1.530)</td>
</tr>
<tr>
<td>Stasis Ulcer Present</td>
<td>-0.387</td>
<td>0.679</td>
<td>(0.595-0.775)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.106</td>
<td>1.112</td>
<td>(1.050-1.177)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.361</td>
<td>1.435</td>
<td>(1.373-1.498)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.481</td>
<td>1.618</td>
<td>(1.539-1.701)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.299</td>
<td>0.741</td>
<td>(0.692-0.794)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.039 b</td>
<td>0.962</td>
<td>(0.919-1.006)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.277</td>
<td>0.758</td>
<td>(0.716-0.803)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.504</td>
<td>0.604</td>
<td>(0.536-0.681)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.013 c</td>
<td>0.987</td>
<td>(0.921-1.058)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.23</td>
<td>0.795</td>
<td>(0.736-0.859)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.356</td>
<td>0.700</td>
<td>(0.606-0.808)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.08</td>
<td>0.923</td>
<td>(0.889-0.960)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.120 a</td>
<td>0.887</td>
<td>(0.788-0.998)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.979</td>
<td>2.661</td>
<td></td>
</tr>
</tbody>
</table>
Table 12: Improvement in Lower Body Dressing (continued)

<table>
<thead>
<tr>
<th>Number of Risk Factors: 118</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Sample $R^2 = 0.181$</td>
<td>Validation Sample $R^2 = 0.180$</td>
</tr>
<tr>
<td>Developmental Sample C-statistic = 0.754</td>
<td>Validation Sample C-statistic = 0.753</td>
</tr>
</tbody>
</table>

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability < .01
   - a = significant at .01 < probability < .05
   - b = significant at .05 < probability < .10
   - c = not significant, probability > .10
Table 13: Improvement in Management of Oral Medications

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.079</td>
<td>1.082</td>
<td>(1.045-1.120)</td>
</tr>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>-0.352</td>
<td>0.704</td>
<td>(0.544-0.909)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.215</td>
<td>0.806</td>
<td>(0.765-0.850)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.079</td>
<td>1.082</td>
<td>(1.041-1.125)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.106</td>
<td>0.900</td>
<td>(0.831-0.974)</td>
</tr>
<tr>
<td>Advocacy Assistance: Uncertain/unlikely to be provided</td>
<td>-0.275</td>
<td>0.760</td>
<td>(0.650-0.888)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.050 a</td>
<td>1.051</td>
<td>(1.010-1.094)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.172</td>
<td>1.188</td>
<td>(1.131-1.247)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.296</td>
<td>1.345</td>
<td>(1.173-1.542)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>0.209</td>
<td>1.232</td>
<td>(1.117-1.359)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.086 b</td>
<td>1.090</td>
<td>(0.997-1.193)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.085 b</td>
<td>1.089</td>
<td>(1.000-1.187)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.323</td>
<td>1.382</td>
<td>(1.250-1.527)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.162</td>
<td>1.176</td>
<td>(1.073-1.288)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: At least daily</td>
<td>-0.326</td>
<td>0.721</td>
<td>(0.624-0.834)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>-0.189 a</td>
<td>0.828</td>
<td>(0.709-0.967)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.001 c</td>
<td>1.001</td>
<td>(0.846-1.184)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Received less than weekly</td>
<td>0.051 c</td>
<td>1.052</td>
<td>(0.847-1.307)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.157</td>
<td>0.854</td>
<td>(0.818-0.893)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.322</td>
<td>0.725</td>
<td>(0.674-0.779)</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>0.124</td>
<td>1.132</td>
<td>(1.076-1.190)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>-0.082 a</td>
<td>0.921</td>
<td>(0.863-0.984)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.091</td>
<td>1.096</td>
<td>(1.040-1.155)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.037 c</td>
<td>1.038</td>
<td>(0.980-1.098)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>0.097</td>
<td>1.101</td>
<td>(1.027-1.182)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.092 c</td>
<td>0.912</td>
<td>(0.792-1.051)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Blood diseases</td>
<td>0.072 a</td>
<td>1.075</td>
<td>(1.008-1.146)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Digestive system diseases</td>
<td>0.062 a</td>
<td>1.064</td>
<td>(1.009-1.121)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>0.119</td>
<td>1.127</td>
<td>(1.053-1.206)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.200</td>
<td>0.819</td>
<td>(0.781-0.858)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.156</td>
<td>0.856</td>
<td>(0.819-0.895)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>0.066</td>
<td>1.068</td>
<td>(1.020-1.119)</td>
</tr>
<tr>
<td>Behavioral: Disruptive/inappropriate behavior</td>
<td>-0.327</td>
<td>0.721</td>
<td>(0.576-0.903)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.155</td>
<td>1.167</td>
<td>(1.068-1.277)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.194</td>
<td>1.214</td>
<td>(1.112-1.325)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>0.284</td>
<td>1.329</td>
<td>(1.184-1.492)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.142</td>
<td>1.153</td>
<td>(1.089-1.220)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-1.054</td>
<td>0.349</td>
<td>(0.326-0.373)</td>
</tr>
<tr>
<td>Lives in congregate situation with regular daytime assistance</td>
<td>-0.652</td>
<td>0.521</td>
<td>(0.354-0.767)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC¹²</td>
<td>Coefficient³</td>
<td>Odds ratio³</td>
<td>(95% CI)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>Lives in congregate situation-occasional/short term assistance</td>
<td>-0.627</td>
<td>0.534</td>
<td>(0.416-0.687)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.139</td>
<td>1.149</td>
<td>(1.075-1.227)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.099</td>
<td>0.906</td>
<td>(0.844-0.973)</td>
</tr>
<tr>
<td>Medication Assistance: None needed</td>
<td>0.228</td>
<td>1.256</td>
<td>(1.148-1.374)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.293</td>
<td>0.746</td>
<td>(0.707-0.788)</td>
</tr>
<tr>
<td>Medication Assistance: Uncertain/unlikely to be provided</td>
<td>0.130 a</td>
<td>1.139</td>
<td>(1.001-1.296)</td>
</tr>
<tr>
<td>Age:  18-64</td>
<td>-0.036 c</td>
<td>0.965</td>
<td>(0.906-1.027)</td>
</tr>
<tr>
<td>Age:  75-84</td>
<td>-0.210</td>
<td>0.811</td>
<td>(0.775-0.848)</td>
</tr>
<tr>
<td>Age:  85 and over</td>
<td>-0.439</td>
<td>0.645</td>
<td>(0.614-0.677)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.067 c</td>
<td>0.935</td>
<td>(0.858-1.019)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.179</td>
<td>0.836</td>
<td>(0.767-0.912)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.213</td>
<td>0.808</td>
<td>(0.735-0.888)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.601</td>
<td>0.548</td>
<td>(0.487-0.617)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.120</td>
<td>0.887</td>
<td>(0.844-0.932)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.141</td>
<td>0.868</td>
<td>(0.804-0.938)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires considerable assist/totally dependent</td>
<td>-0.101 c</td>
<td>0.904</td>
<td>(0.784-1.042)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.157</td>
<td>0.855</td>
<td>(0.815-0.896)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.427</td>
<td>0.652</td>
<td>(0.607-0.701)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.559</td>
<td>0.572</td>
<td>(0.489-0.668)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.046 b</td>
<td>1.047</td>
<td>(0.999-1.097)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.084</td>
<td>1.087</td>
<td>(1.036-1.141)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.269</td>
<td>1.309</td>
<td>(1.230-1.393)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.098</td>
<td>1.102</td>
<td>(1.061-1.146)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>0.098 c</td>
<td>1.103</td>
<td>(0.980-1.240)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.370 a</td>
<td>0.691</td>
<td>(0.514-0.929)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.106 a</td>
<td>1.112</td>
<td>(1.026-1.207)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>-0.018 c</td>
<td>0.982</td>
<td>(0.881-1.095)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.019 c</td>
<td>0.982</td>
<td>(0.912-1.057)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.134</td>
<td>0.875</td>
<td>(0.838-0.913)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.217</td>
<td>0.805</td>
<td>(0.742-0.873)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.449</td>
<td>0.639</td>
<td>(0.552-0.738)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.102</td>
<td>1.107</td>
<td>(1.056-1.162)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.213</td>
<td>1.237</td>
<td>(1.144-1.339)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.115 b</td>
<td>1.122</td>
<td>(0.992-1.269)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.174</td>
<td>1.190</td>
<td>(1.132-1.252)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.071 a</td>
<td>1.073</td>
<td>(1.013-1.138)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.197</td>
<td>0.821</td>
<td>(0.746-0.904)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.210</td>
<td>0.810</td>
<td>(0.767-0.856)</td>
</tr>
</tbody>
</table>
Table 13: Improvement in Management of Oral Medications (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.369</td>
<td>0.691</td>
<td>(0.657-0.728)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.879-0.968)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.085</td>
<td>1.089</td>
<td>(1.024-1.158)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.120</td>
<td>1.127</td>
<td>(1.061-1.197)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.179</td>
<td>1.196</td>
<td>(1.145-1.250)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.285</td>
<td>1.329</td>
<td>(1.246-1.419)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.115</td>
<td>0.892</td>
<td>(0.842-0.944)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.283</td>
<td>0.753</td>
<td>(0.711-0.799)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.295</td>
<td>0.745</td>
<td>(0.695-0.797)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.649</td>
<td>0.523</td>
<td>(0.470-0.581)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.587</td>
<td>0.556</td>
<td>(0.495-0.624)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.058 a</td>
<td>0.944</td>
<td>(0.900-0.989)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.062 c</td>
<td>0.940</td>
<td>(0.858-1.029)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.097 b</td>
<td>0.908</td>
<td>(0.819-1.007)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: None needed</td>
<td>-0.109</td>
<td>0.897</td>
<td>(0.862-0.932)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.064</td>
<td>0.938</td>
<td>(0.900-0.978)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage II ulcer(s) present</td>
<td>-0.214</td>
<td>0.807</td>
<td>(0.722-0.902)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.056</td>
<td>1.058</td>
<td>(1.017-1.100)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>-0.123</td>
<td>0.884</td>
<td>(0.851-0.918)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.362</td>
<td>1.436</td>
<td>(1.316-1.566)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.610</td>
<td>1.840</td>
<td>(1.732-1.954)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.525</td>
<td>1.691</td>
<td>(1.538-1.860)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>0.019 c</td>
<td>1.019</td>
<td>(0.953-1.089)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.004 c</td>
<td>0.996</td>
<td>(0.907-1.092)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.055 b</td>
<td>1.057</td>
<td>(0.993-1.125)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.079 a</td>
<td>1.082</td>
<td>(1.018-1.150)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.152</td>
<td>1.164</td>
<td>(1.095-1.238)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.061 b</td>
<td>1.063</td>
<td>(0.995-1.136)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.017 c</td>
<td>1.017</td>
<td>(0.947-1.093)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.096 a</td>
<td>1.101</td>
<td>(1.015-1.194)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.049 c</td>
<td>1.050</td>
<td>(0.952-1.157)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.085 c</td>
<td>1.088</td>
<td>(0.979-1.210)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.067 a</td>
<td>1.069</td>
<td>(1.016-1.124)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.045 c</td>
<td>0.956</td>
<td>(0.898-1.019)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.384</td>
<td>0.681</td>
<td>(0.599-0.775)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.051 c</td>
<td>0.951</td>
<td>(0.875-1.032)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.214</td>
<td>0.807</td>
<td>(0.738-0.883)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.262</td>
<td>0.770</td>
<td>(0.661-0.897)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.099</td>
<td>0.906</td>
<td>(0.870-0.942)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.344</td>
<td>0.709</td>
<td>(0.626-0.802)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.831</td>
<td>2.296</td>
<td></td>
</tr>
</tbody>
</table>
### Table 13: Improvement in Management of Oral Medications (continued)

<table>
<thead>
<tr>
<th>Number of Risk Factors: 99</th>
<th>Developmental Sample $R^2 = 0.196$</th>
<th>Validation Sample $R^2 = 0.192$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Sample $C$-statistic = 0.755</td>
<td>Validation Sample $C$-statistic = 0.752</td>
<td></td>
</tr>
</tbody>
</table>

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 14: Improvement in Pain Interfering with Activity

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.066</td>
<td>1.068</td>
<td>(1.036-1.102)</td>
</tr>
<tr>
<td>Acute condition: Gastrointestinal disorder</td>
<td>0.089</td>
<td>1.094</td>
<td>(1.045-1.144)</td>
</tr>
<tr>
<td>Acute condition: Neurologic</td>
<td>0.056⁴</td>
<td>1.058</td>
<td>(1.009-1.110)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.165</td>
<td>0.848</td>
<td>(0.814-0.884)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-0.094</td>
<td>0.910</td>
<td>(0.881-0.941)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>-0.137</td>
<td>0.872</td>
<td>(0.838-0.908)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>-0.166</td>
<td>0.847</td>
<td>(0.755-0.949)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.073</td>
<td>0.930</td>
<td>(0.900-0.960)</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>-0.059</td>
<td>0.943</td>
<td>(0.907-0.980)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic Pain</td>
<td>-0.280</td>
<td>0.756</td>
<td>(0.728-0.785)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.847-0.914)</td>
</tr>
<tr>
<td>Start of Care:Further visits planned</td>
<td>0.250</td>
<td>1.285</td>
<td>(1.226-1.345)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.035⁴</td>
<td>1.036</td>
<td>(1.004-1.068)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Intracranial injury</td>
<td>0.349⁴</td>
<td>1.418</td>
<td>(1.055-1.907)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Ill-defined conditions</td>
<td>-0.063</td>
<td>0.939</td>
<td>(0.911-0.968)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>-0.153</td>
<td>0.858</td>
<td>(0.833-0.884)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.117</td>
<td>0.889</td>
<td>(0.855-0.925)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>0.210</td>
<td>1.234</td>
<td>(1.162-1.310)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.290</td>
<td>0.748</td>
<td>(0.720-0.778)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.206</td>
<td>0.814</td>
<td>(0.766-0.866)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.332</td>
<td>0.718</td>
<td>(0.675-0.762)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.291</td>
<td>0.748</td>
<td>(0.698-0.801)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.507</td>
<td>0.602</td>
<td>(0.551-0.658)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.054</td>
<td>1.056</td>
<td>(1.022-1.091)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>0.046⁵</td>
<td>1.047</td>
<td>(0.941-1.165)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.231⁴</td>
<td>0.793</td>
<td>(0.661-0.952)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.031⁶</td>
<td>0.970</td>
<td>(0.937-1.005)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>0.101</td>
<td>1.106</td>
<td>(1.027-1.192)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>0.238</td>
<td>1.268</td>
<td>(1.110-1.449)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.110</td>
<td>1.116</td>
<td>(1.073-1.160)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.074⁴</td>
<td>1.077</td>
<td>(1.008-1.150)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.075⁶</td>
<td>1.078</td>
<td>(0.969-1.199)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.109</td>
<td>1.115</td>
<td>(1.076-1.156)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.060</td>
<td>0.942</td>
<td>(0.900-0.985)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.291</td>
<td>0.747</td>
<td>(0.689-0.810)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.145</td>
<td>1.156</td>
<td>(1.116-1.198)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>0.153</td>
<td>1.165</td>
<td>(1.108-1.225)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>0.084</td>
<td>1.088</td>
<td>(1.029-1.150)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.664</td>
<td>1.943</td>
<td>(1.847-2.044)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.724</td>
<td>2.062</td>
<td>(1.981-2.146)</td>
</tr>
</tbody>
</table>
Table 14: Improvement in Pain Interfering with Activity (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency of Pain: Constant</td>
<td>1.693</td>
<td>5.434</td>
<td>(5.126-5.761)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.149</td>
<td>1.161</td>
<td>(1.100-1.225)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.131</td>
<td>1.140</td>
<td>(1.075-1.209)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.174</td>
<td>1.190</td>
<td>(1.113-1.272)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>0.242</td>
<td>1.273</td>
<td>(1.150-1.410)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.372</td>
<td>1.451</td>
<td>(1.296-1.625)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.133</td>
<td>0.876</td>
<td>(0.844-0.909)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.774-0.898)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>-0.341</td>
<td>0.711</td>
<td>(0.655-0.772)</td>
</tr>
<tr>
<td>Status of Surgical Wound (0-3)</td>
<td>0.098</td>
<td>1.103</td>
<td>(1.086-1.120)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>-0.170&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.843</td>
<td>(0.502-1.416)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>-0.289</td>
<td>0.749</td>
<td>(0.622-0.902)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>-0.223</td>
<td>0.800</td>
<td>(0.682-0.938)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>-0.048&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.953</td>
<td>(0.900-1.010)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.052&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.950</td>
<td>(0.878-1.027)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.003&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.003</td>
<td>(0.953-1.056)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.061&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.063</td>
<td>(1.011-1.117)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.014</td>
<td>1.110</td>
<td>(1.054-1.168)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.116</td>
<td>1.123</td>
<td>(1.064-1.186)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.229</td>
<td>1.257</td>
<td>(1.186-1.332)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.210</td>
<td>1.234</td>
<td>(1.154-1.320)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.129</td>
<td>1.138</td>
<td>(1.050-1.233)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.101&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.106</td>
<td>(1.008-1.213)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.066</td>
<td>1.068</td>
<td>(1.026-1.112)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>0.076</td>
<td>1.079</td>
<td>(1.023-1.137)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>0.011&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.011</td>
<td>(0.904-1.131)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>0.067</td>
<td>1.069</td>
<td>(1.027-1.113)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>0.010&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.010</td>
<td>(0.961-1.061)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.108&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.898</td>
<td>(0.814-0.990)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.017&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.983</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 69

Developmental Sample $R^2 = 0.053$  
Validation Sample $R^2 = 0.054$

Developmental Sample C-statistic = 0.638  
Validation Sample C-statistic = 0.639

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
### Table 15: Improvement in Phone Use

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>-0.236 a</td>
<td>0.789</td>
<td>(0.634-0.983)</td>
</tr>
<tr>
<td>Advocacy Assistance: Caregiver training/support needed</td>
<td>0.188</td>
<td>1.207</td>
<td>(1.075-1.356)</td>
</tr>
<tr>
<td>Behavioral: Physical aggression to self/others</td>
<td>-0.401</td>
<td>0.670</td>
<td>(0.519-0.865)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.038 c</td>
<td>1.038</td>
<td>(0.980-1.100)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.22</td>
<td>1.246</td>
<td>(1.164-1.335)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.474</td>
<td>1.607</td>
<td>(1.316-1.961)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>-0.312 a</td>
<td>0.732</td>
<td>(0.574-0.933)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>-0.222 b</td>
<td>0.801</td>
<td>(0.615-1.042)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: One or two times per week</td>
<td>-0.166 c</td>
<td>0.847</td>
<td>(0.639-1.123)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>-0.071 c</td>
<td>0.931</td>
<td>(0.649-1.336)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.121</td>
<td>0.886</td>
<td>(0.826-0.951)</td>
</tr>
<tr>
<td>Depression screen indicates need for further evaluation</td>
<td>0.087 a</td>
<td>1.091</td>
<td>(1.003-1.187)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.023 c</td>
<td>0.977</td>
<td>(0.891-1.072)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.072 c</td>
<td>0.931</td>
<td>(0.841-1.030)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.307</td>
<td>0.736</td>
<td>(0.640-0.846)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.11</td>
<td>1.116</td>
<td>(1.056-1.180)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>0.158</td>
<td>1.171</td>
<td>(1.058-1.297)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.106</td>
<td>0.899</td>
<td>(0.846-0.956)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.085</td>
<td>0.918</td>
<td>(0.867-0.973)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>0.046 c</td>
<td>1.047</td>
<td>(0.990-1.107)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>-0.339</td>
<td>0.713</td>
<td>(0.616-0.825)</td>
</tr>
<tr>
<td>Discharged from psychiatric hospital/unit past 14 days</td>
<td>0.349 a</td>
<td>1.418</td>
<td>(1.024-1.964)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.372</td>
<td>1.451</td>
<td>(1.307-1.610)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.283</td>
<td>1.327</td>
<td>(1.233-1.427)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.323</td>
<td>1.382</td>
<td>(1.308-1.460)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.135</td>
<td>0.874</td>
<td>(0.811-0.941)</td>
</tr>
<tr>
<td>Behavioral: Memory deficit</td>
<td>-0.104</td>
<td>0.901</td>
<td>(0.848-0.957)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.101 b</td>
<td>0.904</td>
<td>(0.814-1.004)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.082 a</td>
<td>0.921</td>
<td>(0.856-0.991)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.117 c</td>
<td>1.124</td>
<td>(0.956-1.322)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.094 c</td>
<td>1.099</td>
<td>(0.939-1.286)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.043 c</td>
<td>1.044</td>
<td>(0.886-1.230)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.207 a</td>
<td>0.813</td>
<td>(0.676-0.977)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.074 a</td>
<td>0.929</td>
<td>(0.865-0.998)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.263</td>
<td>0.769</td>
<td>(0.701-0.843)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.421</td>
<td>0.656</td>
<td>(0.569-0.758)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.043 c</td>
<td>1.044</td>
<td>(0.973-1.120)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.028 c</td>
<td>1.028</td>
<td>(0.960-1.101)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.186</td>
<td>1.205</td>
<td>(1.108-1.310)</td>
</tr>
</tbody>
</table>
Table 15: Improvement in Phone Use (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>-0.002 c</td>
<td>0.998</td>
<td>(0.916-1.088)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>-0.110 b</td>
<td>0.896</td>
<td>(0.791-1.014)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>-0.103</td>
<td>0.902</td>
<td>(0.840-0.968)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.169</td>
<td>0.844</td>
<td>(0.788-0.905)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.357</td>
<td>0.700</td>
<td>(0.636-0.771)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.729</td>
<td>0.482</td>
<td>(0.420-0.554)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.168</td>
<td>1.182</td>
<td>(1.094-1.278)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.203</td>
<td>1.225</td>
<td>(1.099-1.367)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.049-1.391)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.106</td>
<td>1.112</td>
<td>(1.029-1.203)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.095 a</td>
<td>1.099</td>
<td>(1.008-1.199)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.021 c</td>
<td>0.979</td>
<td>(0.861-1.113)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.126 a</td>
<td>0.882</td>
<td>(0.783-0.994)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.255</td>
<td>0.775</td>
<td>(0.680-0.883)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.441</td>
<td>0.643</td>
<td>(0.559-0.740)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Disruptive behavior</td>
<td>-0.301</td>
<td>0.740</td>
<td>(0.628-0.873)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.131</td>
<td>0.877</td>
<td>(0.835-0.921)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.069 a</td>
<td>0.934</td>
<td>(0.880-0.990)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Intractable pain</td>
<td>0.098 a</td>
<td>1.103</td>
<td>(1.014-1.199)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.204</td>
<td>0.816</td>
<td>(0.775-0.858)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Urinary incontinence</td>
<td>-0.076 a</td>
<td>0.927</td>
<td>(0.869-0.988)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.110 a</td>
<td>1.117</td>
<td>(1.023-1.219)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.078 b</td>
<td>1.081</td>
<td>(0.994-1.176)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.060 b</td>
<td>1.062</td>
<td>(0.996-1.132)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.269</td>
<td>1.309</td>
<td>(1.175-1.457)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.283</td>
<td>0.754</td>
<td>(0.677-0.839)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.354</td>
<td>1.425</td>
<td>(1.331-1.525)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.778</td>
<td>2.176</td>
<td>(2.007-2.359)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>0.927</td>
<td>2.526</td>
<td>(2.274-2.806)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>1.212</td>
<td>3.360</td>
<td>(2.999-3.765)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.089</td>
<td>0.915</td>
<td>(0.865-0.968)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.088 a</td>
<td>0.916</td>
<td>(0.845-0.992)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.087</td>
<td>1.091</td>
<td>(1.033-1.153)</td>
</tr>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>0.056 a</td>
<td>1.058</td>
<td>(1.002-1.116)</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.16</td>
<td>1.173</td>
<td>(1.093-1.260)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Other unlisted risk factors</td>
<td>-0.123</td>
<td>0.884</td>
<td>(0.814-0.960)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>0.113</td>
<td>1.119</td>
<td>(1.052-1.190)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.324</td>
<td>1.383</td>
<td>(1.283-1.490)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.149</td>
<td>1.160</td>
<td>(1.064-1.266)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.335</td>
<td>1.398</td>
<td>(1.311-1.491)</td>
</tr>
</tbody>
</table>
### Table 15: Improvement in Phone Use (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapy Amounts: High</td>
<td>0.38</td>
<td>1.463</td>
<td>(1.360-1.572)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.091 a</td>
<td>1.095</td>
<td>(1.004-1.194)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.002 a</td>
<td>0.998</td>
<td>(0.905-1.101)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.273</td>
<td>0.761</td>
<td>(0.658-0.880)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.138</td>
<td>0.871</td>
<td>(0.812-0.936)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.115 a</td>
<td>0.892</td>
<td>(0.804-0.989)</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>-0.289 c</td>
<td>0.749</td>
<td>(0.531-1.058)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.147</td>
<td>0.863</td>
<td>(0.819-0.910)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.433</td>
<td>0.649</td>
<td>(0.571-0.737)</td>
</tr>
<tr>
<td>Skin Lesion or Open Wound</td>
<td>0.081 a</td>
<td>1.085</td>
<td>(1.016-1.158)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.558</td>
<td>1.748</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 90

- Developmental Sample R² = 0.127
- Developmental Sample C-statistic = 0.704
- Validation Sample R² = 0.119
- Validation Sample C-statistic = 0.753

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability < .01
- a = significant at .01 < probability < .05
- b = significant at .05 < probability < .10
- c = not significant, probability > .10
### Table 16: Improvement in Speech / Language

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;b&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Neurologic</td>
<td>-0.065</td>
<td>0.937</td>
<td>(0.887-0.990)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-0.003</td>
<td>0.997</td>
<td>(0.951-1.045)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.104</td>
<td>1.110</td>
<td>(1.052-1.171)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.238</td>
<td>1.269</td>
<td>(1.102-1.460)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.097</td>
<td>1.102</td>
<td>(1.057-1.149)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.109</td>
<td>1.115</td>
<td>(1.052-1.181)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>0.1</td>
<td>1.105</td>
<td>(1.033-1.182)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.063</td>
<td>0.939</td>
<td>(0.847-1.040)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.134</td>
<td>0.875</td>
<td>(0.832-0.920)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.16</td>
<td>0.852</td>
<td>(0.810-0.897)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>0.086</td>
<td>1.090</td>
<td>(1.034-1.148)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver currently provides</td>
<td>0.080</td>
<td>1.084</td>
<td>(1.016-1.155)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.334</td>
<td>1.396</td>
<td>(1.334-1.461)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.197</td>
<td>0.822</td>
<td>(0.770-0.877)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.116</td>
<td>0.890</td>
<td>(0.851-0.931)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.094</td>
<td>0.910</td>
<td>(0.810-1.023)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.137</td>
<td>1.146</td>
<td>(1.074-1.224)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.155</td>
<td>0.856</td>
<td>(0.794-0.924)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.037</td>
<td>1.038</td>
<td>(0.981-1.098)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.008</td>
<td>0.992</td>
<td>(0.934-1.053)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.199</td>
<td>0.820</td>
<td>(0.770-0.873)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.336</td>
<td>0.715</td>
<td>(0.657-0.777)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>-0.436</td>
<td>0.647</td>
<td>(0.572-0.732)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.866-0.983)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.212</td>
<td>0.809</td>
<td>(0.745-0.878)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.325</td>
<td>0.723</td>
<td>(0.636-0.822)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.044</td>
<td>1.045</td>
<td>(0.997-1.095)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.067</td>
<td>0.936</td>
<td>(0.845-1.036)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.36</td>
<td>0.697</td>
<td>(0.571-0.851)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.232</td>
<td>1.261</td>
<td>(1.182-1.344)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.25</td>
<td>1.284</td>
<td>(1.198-1.376)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.196</td>
<td>1.217</td>
<td>(1.097-1.351)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.171</td>
<td>0.843</td>
<td>(0.783-0.907)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.271</td>
<td>0.763</td>
<td>(0.700-0.830)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.366</td>
<td>0.693</td>
<td>(0.629-0.764)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.127</td>
<td>0.881</td>
<td>(0.850-0.913)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.175</td>
<td>0.839</td>
<td>(0.801-0.879)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.139</td>
<td>0.870</td>
<td>(0.835-0.907)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.061</td>
<td>1.063</td>
<td>(0.989-1.143)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.092</td>
<td>1.096</td>
<td>(1.023-1.175)</td>
</tr>
</tbody>
</table>
Table 16: Improvement in Speech / Language (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.048&lt;sup&gt;b&lt;/sup&gt;</td>
<td>1.049</td>
<td>(0.997-1.104)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.184</td>
<td>1.202</td>
<td>(1.111-1.300)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.181</td>
<td>0.835</td>
<td>(0.764-0.911)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.063&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.939</td>
<td>(0.879-1.004)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.228</td>
<td>0.796</td>
<td>(0.745-0.850)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.377</td>
<td>0.686</td>
<td>(0.639-0.736)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.619</td>
<td>0.539</td>
<td>(0.488-0.594)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.782</td>
<td>0.457</td>
<td>(0.413-0.507)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>0.094</td>
<td>1.098</td>
<td>(1.042-1.158)</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.095</td>
<td>1.099</td>
<td>(1.041-1.161)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>1.098</td>
<td>2.998</td>
<td>(2.800-3.210)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe difficulty</td>
<td>1.29</td>
<td>3.634</td>
<td>(3.247-4.067)</td>
</tr>
<tr>
<td>Difficulty in Speech: Unable to express basic needs</td>
<td>1.47</td>
<td>4.349</td>
<td>(3.548-5.332)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.317</td>
<td>1.373</td>
<td>(1.298-1.453)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.175</td>
<td>1.191</td>
<td>(1.110-1.278)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.276</td>
<td>1.318</td>
<td>(1.254-1.385)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.204</td>
<td>1.227</td>
<td>(1.158-1.299)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.233</td>
<td>0.792</td>
<td>(0.731-0.858)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.088</td>
<td>0.916</td>
<td>(0.868-0.967)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.089&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.915</td>
<td>(0.840-0.997)</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>-0.119&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.888</td>
<td>(0.705-1.118)</td>
</tr>
<tr>
<td>Constant</td>
<td>-0.020&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.980</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 61

Developmental Sample R² = 0.107
Developmental Sample C-statistic = 0.689
Validation Sample R² = 0.104
Validation Sample C-statistic = 0.686

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.
2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.
3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

  - Blank = significant at probability<.01
  - a = significant at .01<probability<.05
  - b = significant at .05<probability<.10
  - c = not significant, probability>.10
## Table 17: Improvement in Status of Surgical Wounds

Submodel 1: Status of Surgical Wound- Fully granulating (M1342 = 1)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coef³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.200</td>
<td>0.819</td>
<td>(0.716-0.936)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>0.157</td>
<td>1.170</td>
<td>(0.891-1.536)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.309</td>
<td>1.362</td>
<td>(1.043-1.779)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.166</td>
<td>1.180</td>
<td>(0.897-1.553)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.037</td>
<td>1.038</td>
<td>(0.776-1.388)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.088</td>
<td>1.091</td>
<td>(0.801-1.487)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>0.057</td>
<td>1.059</td>
<td>(0.600-1.869)</td>
</tr>
<tr>
<td>Assessment indicates risk for falls</td>
<td>0.157</td>
<td>1.170</td>
<td>(1.030-1.331)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>0.175</td>
<td>1.191</td>
<td>(1.046-1.357)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Ill-defined conditions</td>
<td>-0.180</td>
<td>0.835</td>
<td>(0.740-0.942)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>0.204</td>
<td>1.226</td>
<td>(1.067-1.409)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>0.161</td>
<td>1.174</td>
<td>(0.576-2.393)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>0.821</td>
<td>2.273</td>
<td>(1.236-4.179)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>0.162</td>
<td>1.175</td>
<td>(0.671-2.059)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>0.198</td>
<td>1.219</td>
<td>(0.791-1.877)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>-0.120</td>
<td>0.886</td>
<td>(0.665-1.183)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>0.179</td>
<td>1.196</td>
<td>(1.019-1.403)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>0.199</td>
<td>1.220</td>
<td>(0.933-1.594)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>0.216</td>
<td>1.241</td>
<td>(0.783-1.966)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with transfer</td>
<td>0.142</td>
<td>1.153</td>
<td>(1.022-1.301)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>-0.279</td>
<td>0.757</td>
<td>(0.595-0.963)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.252</td>
<td>0.777</td>
<td>(0.582-1.038)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>-0.180</td>
<td>0.835</td>
<td>(0.686-1.016)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>-0.009</td>
<td>0.991</td>
<td>(0.815-1.206)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.200</td>
<td>1.221</td>
<td>(0.995-1.499)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.234</td>
<td>1.264</td>
<td>(1.021-1.566)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.339</td>
<td>1.404</td>
<td>(1.087-1.813)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.457</td>
<td>1.579</td>
<td>(1.168-2.133)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.330</td>
<td>1.391</td>
<td>(0.970-1.996)</td>
</tr>
<tr>
<td>Number of therapy visits: 19+</td>
<td>0.849</td>
<td>2.338</td>
<td>(1.519-3.601)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.174</td>
<td>1.190</td>
<td>(1.031-1.373)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>0.018</td>
<td>1.018</td>
<td>(0.836-1.239)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>0.199</td>
<td>1.220</td>
<td>(0.730-2.041)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.595</td>
<td>1.813</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 33
Table 17: Improvement in Status of Surgical Wounds (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.170</td>
<td>1.186</td>
<td>(1.078-1.304)</td>
</tr>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>-0.183</td>
<td>0.832</td>
<td>(0.725-0.956)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>-0.142c</td>
<td>0.868</td>
<td>(0.681-1.106)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>-0.138c</td>
<td>0.871</td>
<td>(0.655-1.159)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>-0.046c</td>
<td>0.955</td>
<td>(0.689-1.325)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Received less than weekly</td>
<td>-0.576</td>
<td>0.562</td>
<td>(0.379-0.833)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.110</td>
<td>1.116</td>
<td>(1.028-1.211)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Iatrogenic conditions</td>
<td>-0.274</td>
<td>0.760</td>
<td>(0.656-0.881)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.167a</td>
<td>0.846</td>
<td>(0.717-0.999)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.242</td>
<td>1.274</td>
<td>(1.077-1.508)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.191</td>
<td>1.211</td>
<td>(1.056-1.388)</td>
</tr>
<tr>
<td>Medication Assistance: None needed</td>
<td>-0.099a</td>
<td>0.906</td>
<td>(0.828-0.991)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.027c</td>
<td>0.973</td>
<td>(0.867-1.092)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.223</td>
<td>1.250</td>
<td>(1.133-1.379)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>0.334</td>
<td>1.397</td>
<td>(1.186-1.645)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.094b</td>
<td>1.098</td>
<td>(0.995-1.213)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.179</td>
<td>1.196</td>
<td>(1.069-1.338)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.135c</td>
<td>1.144</td>
<td>(0.965-1.356)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>0.129a</td>
<td>1.137</td>
<td>(1.028-1.259)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>0.091c</td>
<td>1.095</td>
<td>(0.921-1.302)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>0.129c</td>
<td>1.138</td>
<td>(0.838-1.546)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.011c</td>
<td>0.989</td>
<td>(0.897-1.091)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.129b</td>
<td>0.879</td>
<td>(0.757-1.019)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.497</td>
<td>0.608</td>
<td>(0.461-0.803)</td>
</tr>
<tr>
<td>Payment Source: All Medicare</td>
<td>0.275</td>
<td>1.316</td>
<td>(1.082-1.601)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.380</td>
<td>1.462</td>
<td>(1.139-1.876)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.113c</td>
<td>1.119</td>
<td>(0.854-1.466)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.287a</td>
<td>0.750</td>
<td>(0.583-0.966)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.335b</td>
<td>0.715</td>
<td>(0.483-1.058)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.127c</td>
<td>1.135</td>
<td>(0.741-1.739)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: None needed</td>
<td>0.181</td>
<td>1.199</td>
<td>(1.097-1.309)</td>
</tr>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>0.228</td>
<td>1.256</td>
<td>(1.094-1.441)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>-0.125c</td>
<td>0.882</td>
<td>(0.747-1.042)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.471</td>
<td>0.624</td>
<td>(0.521-0.748)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>0.028c</td>
<td>1.029</td>
<td>(0.900-1.175)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>0.288</td>
<td>1.334</td>
<td>(1.153-1.543)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.459</td>
<td>1.582</td>
<td>(1.359-1.841)</td>
</tr>
</tbody>
</table>
### Table 17: Improvement in Status of Surgical Wounds (continued)

#### Submodel 2: Status of Surgical Wound- Early/partial granulation (M1342 = 2) (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.682</td>
<td>1.978</td>
<td>(1.659-2.358)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.976</td>
<td>2.653</td>
<td>(2.088-3.373)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>1.078</td>
<td>2.939</td>
<td>(2.166-3.987)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.696</td>
<td>2.010</td>
<td>(1.429-2.827)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>1.189</td>
<td>3.285</td>
<td>(2.056-5.249)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>0.166</td>
<td>1.181</td>
<td>(1.018-1.369)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.151</td>
<td>0.860</td>
<td>(0.511-1.444)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.967</td>
<td>2.631</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 44

#### Submodel 3: Status of Surgical Wound- Not healing (M1342 =3)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.323</td>
<td>1.382</td>
<td>(1.040-1.835)</td>
</tr>
<tr>
<td>Receiving parenteral nutrition</td>
<td>-1.601</td>
<td>0.202</td>
<td>(0.064-0.636)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.029</td>
<td>1.029</td>
<td>(0.757-1.400)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>0.165</td>
<td>1.179</td>
<td>(0.900-1.546)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>0.666</td>
<td>1.951</td>
<td>(1.231-3.090)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.135</td>
<td>1.145</td>
<td>(0.808-1.621)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.087</td>
<td>0.916</td>
<td>(0.670-1.253)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.195</td>
<td>0.823</td>
<td>(0.571-1.185)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.854</td>
<td>0.426</td>
<td>(0.271-0.668)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>-0.031</td>
<td>0.970</td>
<td>(0.777-1.211)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.256</td>
<td>1.291</td>
<td>(1.000-1.667)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>-0.154</td>
<td>0.857</td>
<td>(0.623-1.179)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.094</td>
<td>1.099</td>
<td>(0.892-1.354)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>1.331</td>
<td>3.784</td>
<td>(1.177-12.162)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.116</td>
<td>0.891</td>
<td>(0.422-1.880)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.111</td>
<td>0.895</td>
<td>(0.681-1.176)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.407</td>
<td>0.666</td>
<td>(0.483-0.917)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-1.061</td>
<td>0.346</td>
<td>(0.220-0.544)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>-0.705</td>
<td>0.494</td>
<td>(0.283-0.862)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Disruptive behavior</td>
<td>-0.918</td>
<td>0.399</td>
<td>(0.178-0.896)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.253</td>
<td>0.777</td>
<td>(0.659-0.915)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.486</td>
<td>1.627</td>
<td>(0.955-2.772)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.049</td>
<td>1.051</td>
<td>(0.634-1.740)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.408</td>
<td>1.504</td>
<td>(0.818-2.766)</td>
</tr>
</tbody>
</table>
Table 17: Improvement in Status of Surgical Wounds (continued)

Submodel 3: Status of Surgical Wound- Not healing (M1342 =3) (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹ ² ³</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.993</td>
<td>0.370</td>
<td>(0.178-0.771)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.100 c</td>
<td>1.105</td>
<td>(0.424-2.879)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>-0.086 c</td>
<td>0.917</td>
<td>(0.626-1.345)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.093 c</td>
<td>0.911</td>
<td>(0.563-1.475)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>-0.071 c</td>
<td>0.932</td>
<td>(0.683-1.271)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>-0.007 c</td>
<td>0.993</td>
<td>(0.713-1.384)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>0.449 a</td>
<td>1.567</td>
<td>(1.073-2.290)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>0.144 c</td>
<td>1.155</td>
<td>(0.778-1.715)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>0.787 a</td>
<td>2.196</td>
<td>(1.138-4.237)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.523 c</td>
<td>1.687</td>
<td>(0.892-3.193)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>2.261 a</td>
<td>9.596</td>
<td>(1.328-69.354)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>1.918 b</td>
<td>6.806</td>
<td>(0.927-49.970)</td>
</tr>
<tr>
<td>Constant</td>
<td>2.280</td>
<td>9.781</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 37

Number of Unique Risk Factors Across All Models Components: 78

Overall model development sample $R^2 = 0.054$  
Overall model validation sample $R^2 = 0.047$

Overall model development sample C-statistic = 0.683  
Overall model validation sample C-statistic = 0.672

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

   Blank = significant at probability<.01  
   a = significant at .01<probability<.05  
   b = significant at .05<probability<.10  
   c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.062</td>
<td>1.064</td>
<td>(1.018-1.111)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.089</td>
<td>1.093</td>
<td>(1.043-1.145)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.091</td>
<td>0.913</td>
<td>(0.861-0.967)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.053⁴</td>
<td>1.055</td>
<td>(1.003-1.109)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.17</td>
<td>1.186</td>
<td>(1.117-1.259)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.381</td>
<td>1.464</td>
<td>(1.233-1.737)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.168</td>
<td>0.845</td>
<td>(0.789-0.905)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.178</td>
<td>1.195</td>
<td>(1.118-1.277)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.175</td>
<td>0.840</td>
<td>(0.767-0.919)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.16</td>
<td>0.852</td>
<td>(0.771-0.942)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.172⁴</td>
<td>0.842</td>
<td>(0.725-0.978)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.078</td>
<td>0.925</td>
<td>(0.875-0.979)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.378</td>
<td>0.685</td>
<td>(0.629-0.745)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.125</td>
<td>0.882</td>
<td>(0.838-0.929)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.339</td>
<td>0.712</td>
<td>(0.637-0.796)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.25</td>
<td>1.284</td>
<td>(1.180-1.397)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.203</td>
<td>1.226</td>
<td>(1.150-1.306)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.305</td>
<td>1.357</td>
<td>(1.291-1.426)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.357</td>
<td>1.429</td>
<td>(1.298-1.573)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>0.137⁴</td>
<td>1.147</td>
<td>(1.029-1.278)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.177</td>
<td>1.193</td>
<td>(1.108-1.286)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.068⁷</td>
<td>0.934</td>
<td>(0.849-1.028)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.182</td>
<td>0.833</td>
<td>(0.754-0.921)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.257</td>
<td>1.294</td>
<td>(1.178-1.421)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.242</td>
<td>0.785</td>
<td>(0.728-0.847)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.025⁷</td>
<td>0.975</td>
<td>(0.921-1.033)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.155</td>
<td>0.856</td>
<td>(0.806-0.910)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.019⁷</td>
<td>0.981</td>
<td>(0.760-1.265)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.116⁷</td>
<td>0.890</td>
<td>(0.693-1.145)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.138⁷</td>
<td>0.871</td>
<td>(0.677-1.121)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.831</td>
<td>0.436</td>
<td>(0.335-0.567)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.066⁷</td>
<td>0.936</td>
<td>(0.859-1.021)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.059⁷</td>
<td>0.943</td>
<td>(0.867-1.025)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.279</td>
<td>0.757</td>
<td>(0.691-0.828)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.025⁷</td>
<td>1.025</td>
<td>(0.971-1.083)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.015⁷</td>
<td>0.985</td>
<td>(0.911-1.066)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.154⁴</td>
<td>0.858</td>
<td>(0.748-0.984)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.078⁴</td>
<td>1.081</td>
<td>(1.017-1.148)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.093</td>
<td>1.097</td>
<td>(1.036-1.162)</td>
</tr>
</tbody>
</table>
### Table 18: Improvement in Toilet Transferring (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.879-0.968)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.219</td>
<td>0.803</td>
<td>(0.720-0.896)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.264 a</td>
<td>0.768</td>
<td>(0.617-0.956)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.084</td>
<td>0.919</td>
<td>(0.872-0.969)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.045 c</td>
<td>0.956</td>
<td>(0.878-1.042)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.053 c</td>
<td>0.949</td>
<td>(0.831-1.083)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.056 c</td>
<td>0.946</td>
<td>(0.798-1.121)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.183 a</td>
<td>0.833</td>
<td>(0.697-0.994)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.427</td>
<td>0.653</td>
<td>(0.535-0.797)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.091</td>
<td>1.095</td>
<td>(1.027-1.167)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.008 c</td>
<td>0.992</td>
<td>(0.923-1.066)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.262</td>
<td>0.769</td>
<td>(0.689-0.859)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.050 c</td>
<td>0.951</td>
<td>(0.876-1.033)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.154</td>
<td>0.857</td>
<td>(0.780-0.942)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.353</td>
<td>0.702</td>
<td>(0.638-0.774)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.165</td>
<td>0.848</td>
<td>(0.789-0.910)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>-0.08</td>
<td>0.923</td>
<td>(0.875-0.974)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.225</td>
<td>0.799</td>
<td>(0.756-0.844)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with transfer</td>
<td>-0.096</td>
<td>0.909</td>
<td>(0.847-0.975)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.069 b</td>
<td>1.072</td>
<td>(0.990-1.160)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.016 c</td>
<td>1.017</td>
<td>(0.944-1.095)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.121</td>
<td>1.128</td>
<td>(1.068-1.192)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.176</td>
<td>1.193</td>
<td>(1.102-1.291)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.142</td>
<td>0.868</td>
<td>(0.793-0.950)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.144</td>
<td>0.866</td>
<td>(0.809-0.928)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.175</td>
<td>0.839</td>
<td>(0.783-0.899)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.234</td>
<td>0.792</td>
<td>(0.735-0.853)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.453</td>
<td>0.635</td>
<td>(0.574-0.703)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.385</td>
<td>0.681</td>
<td>(0.609-0.761)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.113</td>
<td>0.894</td>
<td>(0.845-0.945)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.029 c</td>
<td>0.972</td>
<td>(0.873-1.082)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.186</td>
<td>0.830</td>
<td>(0.737-0.935)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.233</td>
<td>0.792</td>
<td>(0.756-0.830)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>-0.174</td>
<td>0.841</td>
<td>(0.789-0.895)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>0.08</td>
<td>1.083</td>
<td>(1.033-1.135)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>-0.064 a</td>
<td>0.938</td>
<td>(0.892-0.987)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Uncertain/unlikely to be provided</td>
<td>-0.211 a</td>
<td>0.810</td>
<td>(0.679-0.967)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.353</td>
<td>1.423</td>
<td>(1.294-1.565)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.044 c</td>
<td>1.045</td>
<td>(0.905-1.207)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.357</td>
<td>1.429</td>
<td>(1.274-1.604)</td>
</tr>
</tbody>
</table>
### Table 18: Improvement in Toilet Transferring (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.335</td>
<td>1.398</td>
<td>(1.206-1.622)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>-0.147 c</td>
<td>0.863</td>
<td>(0.404-1.845)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>-0.073 c</td>
<td>0.930</td>
<td>(0.688-1.255)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>-0.297 a</td>
<td>0.743</td>
<td>(0.590-0.936)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.458</td>
<td>1.582</td>
<td>(1.484-1.686)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.098</td>
<td>1.103</td>
<td>(1.024-1.187)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.503</td>
<td>1.653</td>
<td>(1.562-1.750)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.3</td>
<td>0.741</td>
<td>(0.680-0.807)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.205</td>
<td>0.814</td>
<td>(0.753-0.881)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.431</td>
<td>0.650</td>
<td>(0.597-0.707)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.724</td>
<td>0.485</td>
<td>(0.423-0.555)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>1.343</td>
<td>3.832</td>
<td>(3.555-4.130)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to use bedpan/urinal independently</td>
<td>1.88</td>
<td>6.554</td>
<td>(5.450-7.883)</td>
</tr>
<tr>
<td>Toilet Transferring: Entirely dependent</td>
<td>1.853</td>
<td>6.381</td>
<td>(5.607-7.263)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.152 a</td>
<td>0.859</td>
<td>(0.748-0.987)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.407</td>
<td>0.666</td>
<td>(0.576-0.769)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.513</td>
<td>0.599</td>
<td>(0.501-0.716)</td>
</tr>
<tr>
<td>Behavioral: Verbally disruptive/inappropriate</td>
<td>-0.179 a</td>
<td>0.836</td>
<td>(0.708-0.988)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.073</td>
<td>0.930</td>
<td>(0.886-0.976)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.060 c</td>
<td>0.942</td>
<td>(0.818-1.085)</td>
</tr>
<tr>
<td>Constant</td>
<td>1.858</td>
<td>6.412</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 100
Developmental Sample $R^2 = 0.232$ Validation Sample $R^2 = 0.234$
Developmental Sample C-statistic = 0.790 Validation Sample C-statistic = 0.790

---

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹ ²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.135</td>
<td>0.874</td>
<td>(0.825-0.926)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.111</td>
<td>1.118</td>
<td>(1.072-1.165)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.020 c</td>
<td>1.020</td>
<td>(0.977-1.066)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.104</td>
<td>1.110</td>
<td>(1.054-1.169)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.302</td>
<td>1.353</td>
<td>(1.166-1.570)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.196</td>
<td>0.822</td>
<td>(0.772-0.876)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.136-1.285)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.095 a</td>
<td>0.910</td>
<td>(0.843-0.981)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.101 a</td>
<td>0.904</td>
<td>(0.830-0.984)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.243</td>
<td>0.784</td>
<td>(0.688-0.894)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Blood diseases</td>
<td>0.114</td>
<td>1.120</td>
<td>(1.041-1.206)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.078</td>
<td>0.925</td>
<td>(0.882-0.971)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.305</td>
<td>0.737</td>
<td>(0.682-0.796)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.151</td>
<td>0.860</td>
<td>(0.823-0.899)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>0.076</td>
<td>1.079</td>
<td>(1.025-1.136)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.186</td>
<td>0.830</td>
<td>(0.769-0.896)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.127</td>
<td>1.136</td>
<td>(1.045-1.235)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.291</td>
<td>1.337</td>
<td>(1.211-1.477)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.129</td>
<td>1.138</td>
<td>(1.046-1.238)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.277</td>
<td>1.319</td>
<td>(1.219-1.428)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.177</td>
<td>1.194</td>
<td>(1.122-1.270)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.089</td>
<td>0.915</td>
<td>(0.861-0.972)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.249</td>
<td>1.283</td>
<td>(1.188-1.386)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.211</td>
<td>1.234</td>
<td>(1.160-1.313)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.076 a</td>
<td>1.079</td>
<td>(1.004-1.159)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.022 c</td>
<td>0.978</td>
<td>(0.904-1.057)</td>
</tr>
<tr>
<td>Drug Regimen Review: Problems found</td>
<td>0.071</td>
<td>1.073</td>
<td>(1.024-1.125)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.153</td>
<td>1.165</td>
<td>(1.100-1.234)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.131</td>
<td>0.877</td>
<td>(0.821-0.937)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.029 c</td>
<td>1.029</td>
<td>(0.979-1.082)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.075</td>
<td>0.928</td>
<td>(0.879-0.978)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.042 c</td>
<td>0.958</td>
<td>(0.820-1.120)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.026 c</td>
<td>0.974</td>
<td>(0.836-1.135)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.018 c</td>
<td>0.982</td>
<td>(0.840-1.149)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.735</td>
<td>0.479</td>
<td>(0.404-0.568)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.075 a</td>
<td>0.927</td>
<td>(0.860-1.000)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.052 c</td>
<td>0.949</td>
<td>(0.882-1.022)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.29</td>
<td>0.748</td>
<td>(0.691-0.810)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.027 c</td>
<td>1.027</td>
<td>(0.979-1.078)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.086 a</td>
<td>0.918</td>
<td>(0.857-0.982)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>Coefficient&lt;sup&gt;a&lt;/sup&gt;</td>
<td>Odds ratio&lt;sup&gt;b&lt;/sup&gt; (95% CI)</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------</td>
<td>--------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.246</td>
<td>0.782 (0.700-0.873)</td>
<td></td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.055&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.057 (1.002-1.114)</td>
<td></td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.054&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.055 (1.003-1.110)</td>
<td></td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.11</td>
<td>1.116 (1.046-1.191)</td>
<td></td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.062</td>
<td>0.940 (0.901-0.980)</td>
<td></td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.2</td>
<td>0.819 (0.744-0.901)</td>
<td></td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.230&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.795 (0.653-0.967)</td>
<td></td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.069&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.072 (0.983-1.169)</td>
<td></td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>0.030&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.030 (0.922-1.151)</td>
<td></td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.077</td>
<td>0.926 (0.884-0.970)</td>
<td></td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.127</td>
<td>0.881 (0.818-0.949)</td>
<td></td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.299</td>
<td>0.741 (0.666-0.825)</td>
<td></td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.109</td>
<td>0.897 (0.850-0.946)</td>
<td></td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.145</td>
<td>0.865 (0.799-0.937)</td>
<td></td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.47</td>
<td>0.625 (0.560-0.697)</td>
<td></td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.062&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.940 (0.847-1.044)</td>
<td></td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.157</td>
<td>0.854 (0.761-0.960)</td>
<td></td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.44</td>
<td>0.644 (0.560-0.741)</td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.068&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.070 (1.014-1.130)</td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.005&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.995 (0.937-1.058)</td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.209</td>
<td>0.811 (0.737-0.893)</td>
<td></td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.064&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.938 (0.872-1.009)</td>
<td></td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.131</td>
<td>0.878 (0.806-0.956)</td>
<td></td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.325</td>
<td>0.723 (0.662-0.789)</td>
<td></td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.144</td>
<td>0.866 (0.828-0.905)</td>
<td></td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.323</td>
<td>0.724 (0.691-0.759)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.073&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.076 (1.004-1.152)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.020&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.020 (0.957-1.088)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.11</td>
<td>1.116 (1.064-1.171)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.229</td>
<td>1.258 (1.171-1.352)</td>
<td></td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.204</td>
<td>0.816 (0.755-0.881)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.167</td>
<td>0.846 (0.797-0.899)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.249</td>
<td>0.780 (0.733-0.829)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.281</td>
<td>0.755 (0.706-0.807)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.532</td>
<td>0.587 (0.537-0.642)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.658</td>
<td>0.518 (0.470-0.571)</td>
<td></td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>-0.341</td>
<td>0.711 (0.650-0.778)</td>
<td></td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.166</td>
<td>0.847 (0.812-0.883)</td>
<td></td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.36</td>
<td>1.433 (1.309-1.569)</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup> SOC/ROC: Start of Care/Return of Care

<sup>2</sup> SOC/ROC: Start of Care/Return of Care

<sup>a</sup> Significant at p < 0.05

<sup>b</sup> Significant at p < 0.01

<sup>c</sup> Significant at p < 0.001
Table 19: Improvement in Toileting Hygiene (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.003&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.997</td>
<td>(0.871-1.141)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.304</td>
<td>1.355</td>
<td>(1.214-1.513)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.251</td>
<td>1.285</td>
<td>(1.116-1.480)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.131</td>
<td>1.140</td>
<td>(1.068-1.217)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.419</td>
<td>1.521</td>
<td>(1.449-1.597)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.401</td>
<td>1.493</td>
<td>(1.414-1.577)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.291</td>
<td>0.748</td>
<td>(0.696-0.803)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>0.87</td>
<td>2.387</td>
<td>(2.271-2.509)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>1.986</td>
<td>7.289</td>
<td>(6.533-8.133)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.2</td>
<td>0.819</td>
<td>(0.731-0.917)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.451</td>
<td>0.637</td>
<td>(0.566-0.717)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.596</td>
<td>0.551</td>
<td>(0.473-0.642)</td>
</tr>
<tr>
<td>Behavioral: Verbally disruptive/inappropriate</td>
<td>-0.331</td>
<td>0.718</td>
<td>(0.629-0.820)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.124</td>
<td>0.884</td>
<td>(0.848-0.921)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.054&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.055</td>
<td>(0.934-1.192)</td>
</tr>
<tr>
<td>Constant</td>
<td>1.36</td>
<td>3.896</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 95
Developmental Sample R² = 0.207
Developmental Sample C-statistic = 0.776
Validation Sample R² = 0.202
Validation Sample C-statistic = 0.772

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
Table 20: Improvement in Upper Body Dressing

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>-0.272</td>
<td>0.762</td>
<td>(0.654-0.887)</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.153</td>
<td>0.858</td>
<td>(0.814-0.904)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.097</td>
<td>1.102</td>
<td>(1.063-1.142)</td>
</tr>
<tr>
<td>ADL Assistance: None needed</td>
<td>0.204</td>
<td>1.227</td>
<td>(1.124-1.339)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.024 c</td>
<td>1.024</td>
<td>(0.987-1.063)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.09</td>
<td>1.094</td>
<td>(1.047-1.144)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.203</td>
<td>1.225</td>
<td>(1.078-1.392)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>-0.026 c</td>
<td>0.974</td>
<td>(0.862-1.102)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>0.120 b</td>
<td>1.127</td>
<td>(0.985-1.291)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.165 a</td>
<td>1.180</td>
<td>(1.016-1.369)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>0.119 c</td>
<td>1.126</td>
<td>(0.930-1.363)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>-0.077 a</td>
<td>0.926</td>
<td>(0.864-0.992)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.075</td>
<td>0.928</td>
<td>(0.888-0.970)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.168</td>
<td>0.845</td>
<td>(0.803-0.890)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.26</td>
<td>0.771</td>
<td>(0.724-0.822)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.577</td>
<td>0.561</td>
<td>(0.499-0.631)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Intracranial injury</td>
<td>0.368 a</td>
<td>1.444</td>
<td>(1.056-1.976)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.088</td>
<td>0.916</td>
<td>(0.878-0.956)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.327</td>
<td>0.721</td>
<td>(0.677-0.768)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.161</td>
<td>0.851</td>
<td>(0.819-0.885)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.109</td>
<td>1.116</td>
<td>(1.032-1.206)</td>
</tr>
<tr>
<td>Discharged from long-term care hospital (LTCH) past 14 days</td>
<td>0.232</td>
<td>1.261</td>
<td>(1.090-1.460)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.2</td>
<td>1.222</td>
<td>(1.120-1.332)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.158</td>
<td>1.172</td>
<td>(1.085-1.265)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.263</td>
<td>1.301</td>
<td>(1.209-1.401)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.169</td>
<td>1.184</td>
<td>(1.121-1.250)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.255</td>
<td>1.291</td>
<td>(1.207-1.381)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.18</td>
<td>0.835</td>
<td>(0.807-0.864)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.286</td>
<td>0.751</td>
<td>(0.689-0.820)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.272</td>
<td>1.313</td>
<td>(1.241-1.388)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.016 c</td>
<td>0.985</td>
<td>(0.932-1.041)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.156</td>
<td>0.855</td>
<td>(0.804-0.910)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.2</td>
<td>1.221</td>
<td>(1.161-1.284)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.133</td>
<td>0.875</td>
<td>(0.829-0.925)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.018 c</td>
<td>1.018</td>
<td>(0.976-1.062)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.124</td>
<td>0.884</td>
<td>(0.845-0.925)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.143 a</td>
<td>0.867</td>
<td>(0.777-0.967)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.212</td>
<td>0.809</td>
<td>(0.726-0.900)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.273</td>
<td>0.761</td>
<td>(0.680-0.851)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.901</td>
<td>0.406</td>
<td>(0.358-0.461)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC¹²</td>
<td>Coefficient³</td>
<td>Odds ratio³ (95% CI)</td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------</td>
<td>---------------------</td>
<td></td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.002 c</td>
<td>0.998 (0.953-1.045)</td>
<td></td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>0.034 c</td>
<td>1.035 (0.967-1.108)</td>
<td></td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>-0.124 a</td>
<td>0.883 (0.795-0.981)</td>
<td></td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.030 c</td>
<td>0.970 (0.927-1.015)</td>
<td></td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.116</td>
<td>0.891 (0.833-0.953)</td>
<td></td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.347</td>
<td>0.707 (0.631-0.792)</td>
<td></td>
</tr>
<tr>
<td>Depression screen indicates need for further evaluation</td>
<td>-0.018</td>
<td>0.982 (0.976-0.988)</td>
<td></td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.081</td>
<td>1.085 (1.038-1.133)</td>
<td></td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.126</td>
<td>1.134 (1.087-1.184)</td>
<td></td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.15</td>
<td>1.161 (1.099-1.227)</td>
<td></td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.020 c</td>
<td>1.020 (0.977-1.065)</td>
<td></td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.003 c</td>
<td>1.003 (0.936-1.076)</td>
<td></td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.225</td>
<td>0.799 (0.723-0.882)</td>
<td></td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.032 c</td>
<td>0.969 (0.904-1.038)</td>
<td></td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.053 c</td>
<td>0.948 (0.872-1.031)</td>
<td></td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.152</td>
<td>0.859 (0.786-0.961)</td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.108</td>
<td>1.114 (1.066-1.164)</td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.056 a</td>
<td>0.945 (0.899-0.995)</td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.321</td>
<td>0.725 (0.667-0.788)</td>
<td></td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.051 b</td>
<td>0.951 (0.897-1.008)</td>
<td></td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.105</td>
<td>0.900 (0.839-0.966)</td>
<td></td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.299</td>
<td>0.742 (0.687-0.801)</td>
<td></td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.087</td>
<td>0.917 (0.883-0.952)</td>
<td></td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.141</td>
<td>0.869 (0.842-0.896)</td>
<td></td>
</tr>
<tr>
<td>Prior Management of Injectable Meds: Not applicable</td>
<td>0.07</td>
<td>1.073 (1.032-1.116)</td>
<td></td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.117</td>
<td>0.889 (0.851-0.929)</td>
<td></td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.291</td>
<td>0.748 (0.717-0.780)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.071 a</td>
<td>1.073 (1.013-1.137)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.072 a</td>
<td>1.075 (1.016-1.136)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.097</td>
<td>1.102 (1.058-1.148)</td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.073 a</td>
<td>1.076 (1.014-1.141)</td>
<td></td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.146</td>
<td>0.864 (0.808-0.925)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.082</td>
<td>0.921 (0.874-0.972)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.21</td>
<td>0.811 (0.768-0.856)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.227</td>
<td>0.797 (0.750-0.846)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.499</td>
<td>0.607 (0.559-0.660)</td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.62</td>
<td>0.538 (0.493-0.587)</td>
<td></td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>-0.305</td>
<td>0.737 (0.681-0.798)</td>
<td></td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.175</td>
<td>0.840 (0.809-0.871)</td>
<td></td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.306</td>
<td>1.359 (1.265-1.459)</td>
<td></td>
</tr>
</tbody>
</table>
Table 20: Improvement in Upper Body Dressing (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.096 b</td>
<td>1.101</td>
<td>(0.989-1.225)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.347</td>
<td>1.415</td>
<td>(1.300-1.540)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.364</td>
<td>1.439</td>
<td>(1.289-1.608)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>0.122 c</td>
<td>1.130</td>
<td>(0.658-1.940)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>-0.268 a</td>
<td>0.765</td>
<td>(0.622-0.941)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>-0.110 c</td>
<td>0.896</td>
<td>(0.751-1.070)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.101</td>
<td>1.106</td>
<td>(1.047-1.169)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.442</td>
<td>1.556</td>
<td>(1.492-1.622)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.478</td>
<td>1.613</td>
<td>(1.539-1.691)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.327</td>
<td>0.721</td>
<td>(0.677-0.767)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.078</td>
<td>0.925</td>
<td>(0.884-0.967)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.329</td>
<td>0.720</td>
<td>(0.681-0.762)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.565</td>
<td>0.568</td>
<td>(0.512-0.630)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>0.917</td>
<td>2.501</td>
<td>(2.392-2.615)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>2.391</td>
<td>10.924</td>
<td>(9.755-12.233)</td>
</tr>
<tr>
<td>Behavioral: Verbally disruptive/inappropriate</td>
<td>-0.222</td>
<td>0.801</td>
<td>(0.710-0.905)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.087</td>
<td>0.917</td>
<td>(0.884-0.951)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.147</td>
<td>0.863</td>
<td>(0.775-0.961)</td>
</tr>
<tr>
<td>Constant</td>
<td>1.207</td>
<td>3.342</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors:  98
Developmental Sample R² = 0.205  Validation Sample R² = 0.204
Developmental Sample C-statistic = 0.772  Validation Sample C-statistic = 0.772

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.
² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.
³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.067</td>
<td>1.069 (1.031-1.109)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.068</td>
<td>1.070 (1.029-1.113)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.131 b</td>
<td>0.877 (0.764-1.008)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.142 a</td>
<td>0.868 (0.758-0.994)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.165 a</td>
<td>0.848 (0.740-0.973)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-0.032 c</td>
<td>0.968 (0.838-1.119)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-0.128 b</td>
<td>0.880 (0.762-1.016)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.237</td>
<td>0.789 (0.669-0.930)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>-0.182</td>
<td>0.834 (0.801-0.867)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.095</td>
<td>0.910 (0.869-0.953)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.069</td>
<td>0.934 (0.894-0.975)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.095</td>
<td>0.910 (0.854-0.969)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver training/support needed</td>
<td>0.129</td>
<td>1.137 (1.041-1.242)</td>
</tr>
<tr>
<td>Urinary Incontinence: Night only</td>
<td>0.498</td>
<td>1.645 (1.514-1.787)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day only</td>
<td>0.653</td>
<td>1.921 (1.693-2.181)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>0.38</td>
<td>1.462 (1.407-1.518)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.182</td>
<td>1.200 (1.152-1.250)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.109</td>
<td>1.116 (1.042-1.195)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.191</td>
<td>0.826 (0.780-0.875)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>0.148</td>
<td>1.160 (1.085-1.240)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.038 c</td>
<td>1.039 (0.968-1.115)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.073</td>
<td>0.929 (0.886-0.975)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.163</td>
<td>0.849 (0.808-0.893)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.007 c</td>
<td>1.007 (0.904-1.121)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.053 c</td>
<td>0.948 (0.853-1.054)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.130 a</td>
<td>0.878 (0.784-0.983)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.366</td>
<td>0.693 (0.607-0.792)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.020 c</td>
<td>0.980 (0.916-1.049)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.104</td>
<td>0.902 (0.842-0.965)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.343</td>
<td>0.709 (0.656-0.767)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.11</td>
<td>0.896 (0.860-0.933)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.181</td>
<td>0.835 (0.784-0.889)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.5</td>
<td>0.606 (0.543-0.677)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.162</td>
<td>1.175 (1.118-1.236)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.262</td>
<td>1.299 (1.198-1.408)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.097 c</td>
<td>1.102 (0.980-1.239)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.115</td>
<td>0.891 (0.833-0.953)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.079 b</td>
<td>0.924 (0.847-1.008)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.224</td>
<td>0.800 (0.706-0.906)</td>
</tr>
</tbody>
</table>
Table 21: Improvement in Urinary Incontinence (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹⁺²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.127</td>
<td>1.135</td>
<td>(1.079-1.194)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.129</td>
<td>1.138</td>
<td>(1.074-1.206)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.066 ³ c</td>
<td>1.068</td>
<td>(0.969-1.177)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.116</td>
<td>0.890</td>
<td>(0.861-0.921)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.106</td>
<td>0.899</td>
<td>(0.852-0.950)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.072</td>
<td>0.931</td>
<td>(0.902-0.960)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.059</td>
<td>0.943</td>
<td>(0.906-0.981)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.084 a</td>
<td>1.088</td>
<td>(1.019-1.162)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.072 a</td>
<td>1.075</td>
<td>(1.009-1.145)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.007 c</td>
<td>0.993</td>
<td>(0.949-1.040)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.009 c</td>
<td>1.009</td>
<td>(0.945-1.077)</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>-0.21</td>
<td>0.810</td>
<td>(0.746-0.880)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Caregiver provides</td>
<td>0.08</td>
<td>1.083</td>
<td>(1.036-1.132)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.114</td>
<td>0.892</td>
<td>(0.857-0.929)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Other unlisted risk factors</td>
<td>-0.078</td>
<td>0.925</td>
<td>(0.874-0.979)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>0.089</td>
<td>1.093</td>
<td>(1.042-1.148)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.235</td>
<td>1.264</td>
<td>(1.205-1.326)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.095</td>
<td>1.100</td>
<td>(1.032-1.172)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.173</td>
<td>1.189</td>
<td>(1.134-1.247)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.231</td>
<td>1.260</td>
<td>(1.193-1.329)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.242</td>
<td>0.785</td>
<td>(0.730-0.844)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.047 b</td>
<td>1.048</td>
<td>(0.996-1.103)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.021 c</td>
<td>0.979</td>
<td>(0.919-1.042)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.345</td>
<td>0.708</td>
<td>(0.633-0.792)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.182 a</td>
<td>1.199</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 63
Developmental Sample $R^2 = 0.073$
Developmental Sample C-statistic = 0.649
Validation Sample $R^2 = 0.073$
Validation Sample C-statistic = 0.650

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01

a = significant at .01<probability<.05

b = significant at .05<probability<.10

c = not significant, probability>.10
Table 22: Improvement in Urinary Tract Infection

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^1)(^2)</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>0.163</td>
<td>1.178</td>
<td>(1.058-1.310)</td>
</tr>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>0.201</td>
<td>1.223</td>
<td>(1.050-1.423)</td>
</tr>
<tr>
<td>Acute Condition: IV Therapies</td>
<td>-0.887</td>
<td>0.412</td>
<td>(0.342-0.496)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>0.253 (^b)</td>
<td>1.288</td>
<td>(0.983-1.686)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>0.445</td>
<td>1.561</td>
<td>(1.133-2.149)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.309 (^b)</td>
<td>1.362</td>
<td>(0.962-1.929)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>-0.014 (^c)</td>
<td>0.986</td>
<td>(0.635-1.532)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.155</td>
<td>1.168</td>
<td>(1.053-1.296)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.139</td>
<td>1.149</td>
<td>(1.038-1.272)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>-0.498</td>
<td>0.608</td>
<td>(0.554-0.667)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>-0.244</td>
<td>0.784</td>
<td>(0.705-0.871)</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.078-1.354)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.182</td>
<td>1.200</td>
<td>(1.055-1.363)</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>0.442</td>
<td>1.555</td>
<td>(1.254-1.928)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.16</td>
<td>1.174</td>
<td>(1.041-1.323)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.265</td>
<td>1.303</td>
<td>(1.157-1.468)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.239</td>
<td>1.270</td>
<td>(1.092-1.477)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.141</td>
<td>1.151</td>
<td>(1.041-1.273)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.139 (^c)</td>
<td>0.870</td>
<td>(0.726-1.043)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>0.518 (^a)</td>
<td>1.678</td>
<td>(1.078-2.612)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>-0.354</td>
<td>0.702</td>
<td>(0.592-0.832)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Intractable pain</td>
<td>-0.253</td>
<td>0.777</td>
<td>(0.676-0.892)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.266</td>
<td>1.304</td>
<td>(1.149-1.481)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.043 (^c)</td>
<td>1.044</td>
<td>(0.902-1.209)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.53</td>
<td>1.698</td>
<td>(1.520-1.898)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.79</td>
<td>2.204</td>
<td>(1.895-2.563)</td>
</tr>
<tr>
<td>Constant</td>
<td>0.545</td>
<td>1.724</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 26
Developmental Sample R\(^2\) = 0.071
Developmental Sample C-statistic = 0.675
Validation Sample R\(^2\) = 0.063
Validation Sample C-statistic = 0.660

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01
a = significant at .01<probability<.05
b = significant at .05<probability<.10
c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>-0.306</td>
<td>0.736</td>
<td>(0.717-0.756)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.041</td>
<td>1.042</td>
<td>(1.014-1.071)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.046</td>
<td>1.047</td>
<td>(1.013-1.082)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.072 c</td>
<td>1.075</td>
<td>(0.984-1.174)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.041 c</td>
<td>0.960</td>
<td>(0.895-1.029)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.067 b</td>
<td>1.069</td>
<td>(0.997-1.147)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.041 c</td>
<td>1.042</td>
<td>(0.967-1.122)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.047 c</td>
<td>1.048</td>
<td>(0.969-1.133)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.130</td>
<td>1.139</td>
<td>(1.052-1.232)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>0.096 b</td>
<td>1.101</td>
<td>(0.997-1.215)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>0.150</td>
<td>1.162</td>
<td>(1.123-1.202)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>-0.429</td>
<td>0.651</td>
<td>(0.630-0.673)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.048 a</td>
<td>1.049</td>
<td>(1.009-1.092)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>0.127</td>
<td>1.135</td>
<td>(1.081-1.192)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>0.202</td>
<td>1.224</td>
<td>(1.118-1.339)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>0.357</td>
<td>1.430</td>
<td>(1.372-1.490)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>0.224</td>
<td>1.251</td>
<td>(1.199-1.306)</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>-0.256</td>
<td>0.774</td>
<td>(0.754-0.795)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.266</td>
<td>1.305</td>
<td>(1.266-1.345)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>-0.105</td>
<td>0.901</td>
<td>(0.848-0.956)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.138</td>
<td>0.871</td>
<td>(0.822-0.923)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.213</td>
<td>0.808</td>
<td>(0.748-0.873)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.076</td>
<td>1.079</td>
<td>(1.043-1.116)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.072</td>
<td>1.075</td>
<td>(1.037-1.114)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.059-1.151)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.230</td>
<td>1.259</td>
<td>(1.213-1.306)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.021 c</td>
<td>1.021</td>
<td>(0.990-1.053)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>0.013 c</td>
<td>1.013</td>
<td>(0.979-1.049)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.022 c</td>
<td>1.022</td>
<td>(0.967-1.080)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.047-1.165)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.049 c</td>
<td>1.050</td>
<td>(0.989-1.116)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>0.199</td>
<td>1.221</td>
<td>(1.137-1.311)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>-0.027 c</td>
<td>0.974</td>
<td>(0.908-1.045)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>0.029 c</td>
<td>1.029</td>
<td>(0.957-1.106)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>0.011 c</td>
<td>1.011</td>
<td>(0.954-1.071)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>-0.081</td>
<td>0.922</td>
<td>(0.884-0.962)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>0.144</td>
<td>1.155</td>
<td>(1.096-1.217)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>0.116</td>
<td>1.123</td>
<td>(1.066-1.183)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>0.256</td>
<td>1.292</td>
<td>(1.222-1.366)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>0.001 c</td>
<td>1.001</td>
<td>(0.969-1.033)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC¹²</td>
<td>Coefficient³</td>
<td>Odds ratio³</td>
<td>(95% CI)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.107</td>
<td>0.899</td>
<td>(0.854-0.946)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires considerable assist/total dependent</td>
<td>-0.178</td>
<td>0.837</td>
<td>(0.767-0.913)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.143</td>
<td>1.154</td>
<td>(1.115-1.194)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.296</td>
<td>1.834</td>
<td>(1.300-1.389)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.460</td>
<td>1.684</td>
<td>(1.522-1.649)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>0.201</td>
<td>1.021</td>
<td>(0.993-1.049)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.089</td>
<td>0.915</td>
<td>(0.850-0.985)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>0.284</td>
<td>1.329</td>
<td>(1.188-1.486)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>0.013</td>
<td>1.013</td>
<td>(0.981-1.045)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.078</td>
<td>0.925</td>
<td>(0.872-0.981)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.759-0.916)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.002</td>
<td>0.998</td>
<td>(0.967-1.031)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.073</td>
<td>1.076</td>
<td>(1.022-1.133)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.136</td>
<td>1.145</td>
<td>(1.065-1.232)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.199</td>
<td>1.220</td>
<td>(1.176-1.266)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.457</td>
<td>1.579</td>
<td>(1.517-1.645)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.531</td>
<td>1.700</td>
<td>(1.601-1.805)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.178</td>
<td>1.195</td>
<td>(1.158-1.234)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>0.226</td>
<td>1.254</td>
<td>(1.203-1.307)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>0.215</td>
<td>1.240</td>
<td>(1.186-1.297)</td>
</tr>
<tr>
<td>Respiratory Treatments: Oxygen</td>
<td>0.282</td>
<td>1.436</td>
<td>(1.285-1.637)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.014</td>
<td>1.014</td>
<td>(0.972-1.059)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.061</td>
<td>1.063</td>
<td>(1.020-1.108)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.012</td>
<td>1.012</td>
<td>(0.982-1.044)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.052</td>
<td>1.053</td>
<td>(1.009-1.099)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.000</td>
<td>1.000</td>
<td>(0.958-1.044)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.112</td>
<td>1.118</td>
<td>(1.070-1.168)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.023</td>
<td>1.023</td>
<td>(0.974-1.075)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.063</td>
<td>0.939</td>
<td>(0.875-1.008)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.011</td>
<td>1.011</td>
<td>(0.936-1.092)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>0.071</td>
<td>1.074</td>
<td>(1.031-1.119)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>0.078</td>
<td>1.081</td>
<td>(1.035-1.128)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>0.078</td>
<td>1.081</td>
<td>(1.019-1.147)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>0.226</td>
<td>1.253</td>
<td>(1.177-1.335)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>0.141</td>
<td>1.151</td>
<td>(1.111-1.193)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>0.396</td>
<td>1.485</td>
<td>(1.448-1.524)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>-0.287</td>
<td>0.750</td>
<td>(0.712-0.791)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.017</td>
<td>0.983</td>
<td>(0.909-1.062)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>-0.208</td>
<td>0.812</td>
<td>(0.763-0.864)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.037</td>
<td>1.038</td>
<td>(0.963-1.118)</td>
</tr>
</tbody>
</table>
### Table 23: Acute Care Hospitalization (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>0.219  c</td>
<td>1.244</td>
<td>(0.877-1.765)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>0.331</td>
<td>1.392</td>
<td>(1.217-1.592)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>0.376</td>
<td>1.456</td>
<td>(1.304-1.626)</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>-0.004  c</td>
<td>0.996</td>
<td>(0.953-1.041)</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>-0.352</td>
<td>0.703</td>
<td>(0.656-0.754)</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>-0.287</td>
<td>0.751</td>
<td>(0.717-0.786)</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
<td>-0.233</td>
<td>0.792</td>
<td>(0.758-0.828)</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>-0.157</td>
<td>0.855</td>
<td>(0.818-0.893)</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>-0.129</td>
<td>0.879</td>
<td>(0.838-0.921)</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>-0.041  c</td>
<td>0.960</td>
<td>(0.913-1.009)</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>0.008  c</td>
<td>1.008</td>
<td>(0.953-1.066)</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>0.122</td>
<td>1.130</td>
<td>(1.059-1.206)</td>
</tr>
<tr>
<td>Number of therapy visits: 19-20</td>
<td>0.080  a</td>
<td>1.083</td>
<td>(1.007-1.165)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>0.665</td>
<td>1.945</td>
<td>(1.869-2.023)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>0.040  c</td>
<td>1.041</td>
<td>(0.984-1.101)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>0.113</td>
<td>1.120</td>
<td>(1.053-1.191)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>0.153</td>
<td>1.165</td>
<td>(1.054-1.289)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>0.038</td>
<td>1.039</td>
<td>(1.010-1.068)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.087  a</td>
<td>1.091</td>
<td>(1.003-1.186)</td>
</tr>
<tr>
<td>Constant</td>
<td>-1.813</td>
<td>0.163</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 99

Developmental Sample R² = 0.146  
Validation Sample R² = 0.143  
Developmental Sample C-statistic = 0.740  
Validation Sample C-statistic = 0.736  

1  SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2  Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3  Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
Table 24: Discharged to Community

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^{1,2})</th>
<th>Coefficient(^a)</th>
<th>Odds Ratio(^b)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.307</td>
<td>1.359</td>
<td>(1.323-1.396)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>0.070 (^b)</td>
<td>1.072</td>
<td>(1.000-1.151)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.034 (^c)</td>
<td>0.966</td>
<td>(0.901-1.036)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.005 (^c)</td>
<td>1.005</td>
<td>(0.934-1.082)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-0.001 (^c)</td>
<td>0.999</td>
<td>(0.925-1.080)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-0.093 (^a)</td>
<td>0.911</td>
<td>(0.842-0.985)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.102 (^a)</td>
<td>0.903</td>
<td>(0.817-0.998)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>0.127</td>
<td>1.136</td>
<td>(1.059-1.218)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>0.039 (^c)</td>
<td>1.040</td>
<td>(0.962-1.124)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: One or two times per week</td>
<td>0.026 (^c)</td>
<td>1.026</td>
<td>(0.943-1.117)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>0.019 (^c)</td>
<td>1.019</td>
<td>(0.913-1.138)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>-0.127</td>
<td>0.880</td>
<td>(0.851-0.910)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>0.501</td>
<td>1.650</td>
<td>(1.596-1.707)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.029 (^c)</td>
<td>0.972</td>
<td>(0.934-1.011)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.838-0.924)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.197</td>
<td>0.821</td>
<td>(0.749-0.900)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.537</td>
<td>0.585</td>
<td>(0.561-0.609)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.252</td>
<td>0.778</td>
<td>(0.743-0.814)</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>0.271</td>
<td>1.312</td>
<td>(1.277-1.347)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>-0.246</td>
<td>0.782</td>
<td>(0.758-0.806)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>0.015 (^c)</td>
<td>1.016</td>
<td>(0.989-1.043)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.322</td>
<td>0.725</td>
<td>(0.673-0.780)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.053</td>
<td>0.948</td>
<td>(0.915-0.983)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.084</td>
<td>0.920</td>
<td>(0.881-0.960)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.022 (^c)</td>
<td>0.978</td>
<td>(0.926-1.034)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.085</td>
<td>0.918</td>
<td>(0.870-0.968)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.032 (^c)</td>
<td>0.968</td>
<td>(0.911-1.028)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.278</td>
<td>0.757</td>
<td>(0.704-0.814)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.148</td>
<td>0.863</td>
<td>(0.817-0.911)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.141</td>
<td>0.868</td>
<td>(0.823-0.916)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.197</td>
<td>0.821</td>
<td>(0.775-0.870)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.026 (^b)</td>
<td>0.974</td>
<td>(0.948-1.001)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>0.009 (^c)</td>
<td>1.009</td>
<td>(0.967-1.053)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>0.145</td>
<td>1.156</td>
<td>(1.053-1.268)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>-0.115</td>
<td>0.891</td>
<td>(0.861-0.922)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>-0.262</td>
<td>0.769</td>
<td>(0.744-0.795)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>-0.434</td>
<td>0.648</td>
<td>(0.622-0.675)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.023 (^c)</td>
<td>0.978</td>
<td>(0.951-1.005)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>0.064 (^b)</td>
<td>1.066</td>
<td>(0.989-1.149)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.218</td>
<td>0.804</td>
<td>(0.716-0.904)</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC¹,²</td>
<td>Coefficient³</td>
<td>Odds ratio³</td>
<td>(95% CI)</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>--------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.002 c</td>
<td>1.002</td>
<td>(0.970-1.035)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.105</td>
<td>0.900</td>
<td>(0.854-0.948)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.106</td>
<td>0.900</td>
<td>(0.835-0.970)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.179</td>
<td>0.836</td>
<td>(0.806-0.868)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.444</td>
<td>0.641</td>
<td>(0.615-0.669)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.165</td>
<td>0.848</td>
<td>(0.822-0.875)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.2</td>
<td>0.819</td>
<td>(0.785-0.854)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.192</td>
<td>0.826</td>
<td>(0.790-0.862)</td>
</tr>
<tr>
<td>Respiratory Treatments: Oxygen</td>
<td>-0.277</td>
<td>0.758</td>
<td>(0.734-0.782)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>-0.132</td>
<td>0.876</td>
<td>(0.878-0.963)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>-0.029 c</td>
<td>0.971</td>
<td>(0.930-1.014)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.073</td>
<td>0.930</td>
<td>(0.892-0.970)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.048</td>
<td>0.954</td>
<td>(0.925-0.983)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>-0.135</td>
<td>0.873</td>
<td>(0.837-0.911)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.844-0.917)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.104</td>
<td>0.901</td>
<td>(0.863-0.941)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.107 a</td>
<td>0.899</td>
<td>(0.823-0.981)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>-0.083 c</td>
<td>0.920</td>
<td>(0.826-1.026)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.076</td>
<td>0.927</td>
<td>(0.885-0.970)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.073 c</td>
<td>0.930</td>
<td>(0.850-1.017)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.212</td>
<td>0.809</td>
<td>(0.725-0.903)</td>
</tr>
<tr>
<td>Pressure Ulcer: Unstageable ulcer(s) present</td>
<td>-0.406</td>
<td>0.666</td>
<td>(0.591-0.751)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage II ulcer(s) present</td>
<td>-0.107</td>
<td>0.899</td>
<td>(0.839-0.963)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage III ulcer(s) present</td>
<td>-0.446</td>
<td>0.640</td>
<td>(0.560-0.731)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage IV ulcer(s) present</td>
<td>-0.718</td>
<td>0.488</td>
<td>(0.393-0.605)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>-0.144</td>
<td>0.866</td>
<td>(0.843-0.889)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>-0.395</td>
<td>0.673</td>
<td>(0.656-0.691)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.389</td>
<td>1.476</td>
<td>(1.432-1.521)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>-0.248 c</td>
<td>0.780</td>
<td>(0.542-1.123)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>-0.335</td>
<td>0.715</td>
<td>(0.622-0.822)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>-0.435</td>
<td>0.648</td>
<td>(0.577-0.726)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.091</td>
<td>1.095</td>
<td>(1.051-1.140)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.223</td>
<td>1.250</td>
<td>(1.213-1.289)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.071</td>
<td>0.931</td>
<td>(0.899-0.965)</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>-0.764</td>
<td>0.466</td>
<td>(0.447-0.486)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>0.010 c</td>
<td>1.010</td>
<td>(0.967-1.055)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.076</td>
<td>0.927</td>
<td>(0.880-0.976)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.066 c</td>
<td>0.936</td>
<td>(0.855-1.025)</td>
</tr>
<tr>
<td>Constant</td>
<td>1.422</td>
<td>4.147</td>
<td></td>
</tr>
</tbody>
</table>
Table 24: Discharged to Community (continued)

<table>
<thead>
<tr>
<th>Number of Risk Factors: 79</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Sample $R^2 = 0.181$</td>
</tr>
<tr>
<td>Developmental Sample C-statistic = 0.755</td>
</tr>
</tbody>
</table>

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
### Table 25: Emergency Room Use with Hospitalization

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>0.463</td>
<td>1.589</td>
<td>(1.366-1.850)</td>
</tr>
<tr>
<td>Acute condition: Neurologic</td>
<td>-0.091</td>
<td>0.913</td>
<td>(0.874-0.953)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>-0.264</td>
<td>0.768</td>
<td>(0.743-0.793)</td>
</tr>
<tr>
<td>Acute Condition: Mental/Emotional</td>
<td>0.258</td>
<td>1.294</td>
<td>(1.166-1.436)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>-0.077</td>
<td>0.926</td>
<td>(0.895-0.957)</td>
</tr>
<tr>
<td>ADL Assistance: Uncertain/unlikely to be provided</td>
<td>0.117</td>
<td>1.124</td>
<td>(1.048-1.207)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.039</td>
<td>1.040</td>
<td>(1.006-1.075)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.085</td>
<td>1.089</td>
<td>(1.048-1.132)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.041</td>
<td>1.042</td>
<td>(0.940-1.154)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.034</td>
<td>0.966</td>
<td>(0.889-1.050)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.052</td>
<td>1.053</td>
<td>(0.970-1.143)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.078</td>
<td>1.082</td>
<td>(0.990-1.181)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.094</td>
<td>1.099</td>
<td>(1.002-1.186)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.154</td>
<td>1.167</td>
<td>(1.063-1.281)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>0.153</td>
<td>1.165</td>
<td>(1.039-1.307)</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>0.047</td>
<td>1.048</td>
<td>(1.006-1.092)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>0.077</td>
<td>1.080</td>
<td>(1.031-1.132)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>-0.711</td>
<td>0.491</td>
<td>(0.474-0.509)</td>
</tr>
<tr>
<td>Management of Equipment: None needed</td>
<td>-0.091</td>
<td>0.913</td>
<td>(0.881-0.946)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.015</td>
<td>1.016</td>
<td>(0.976-1.057)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>0.086</td>
<td>1.090</td>
<td>(1.037-1.145)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>0.119</td>
<td>1.126</td>
<td>(1.034-1.226)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Blood diseases</td>
<td>0.2</td>
<td>1.221</td>
<td>(1.165-1.280)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>0.144</td>
<td>1.155</td>
<td>(1.119-1.193)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Digestive system diseases</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.060-1.151)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>0.139</td>
<td>1.150</td>
<td>(1.118-1.182)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>0.186</td>
<td>1.205</td>
<td>(1.159-1.253)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>0.225</td>
<td>1.252</td>
<td>(1.192-1.316)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>0.077</td>
<td>1.080</td>
<td>(1.042-1.119)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>0.165</td>
<td>1.180</td>
<td>(1.121-1.242)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.237</td>
<td>1.268</td>
<td>(1.222-1.316)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.038</td>
<td>0.963</td>
<td>(0.901-1.029)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.043</td>
<td>1.044</td>
<td>(0.976-1.116)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.028</td>
<td>1.029</td>
<td>(0.955-1.108)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>0.119</td>
<td>1.127</td>
<td>(1.032-1.231)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>-0.042</td>
<td>0.959</td>
<td>(0.883-1.042)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.806-0.959)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>-0.015</td>
<td>0.985</td>
<td>(0.921-1.053)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>-0.050</td>
<td>0.952</td>
<td>(0.906-0.999)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>0.081</td>
<td>1.084</td>
<td>(1.019-1.153)</td>
</tr>
</tbody>
</table>
Table 25: Emergency Room Use with Hospitalization (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>0.023 a</td>
<td>1.023</td>
<td>(0.962-1.088)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>0.062 b</td>
<td>1.064</td>
<td>(0.995-1.139)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.025 c</td>
<td>0.976</td>
<td>(0.935-1.018)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.072 a</td>
<td>0.931</td>
<td>(0.872-0.994)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>-0.049 c</td>
<td>0.952</td>
<td>(0.851-1.065)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.005 c</td>
<td>1.005</td>
<td>(0.967-1.045)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>0.035 c</td>
<td>1.036</td>
<td>(0.975-1.100)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.153 a</td>
<td>0.858</td>
<td>(0.756-0.974)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.138</td>
<td>1.148</td>
<td>(1.101-1.197)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.216</td>
<td>1.241</td>
<td>(1.191-1.293)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.322</td>
<td>1.380</td>
<td>(1.314-1.448)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.013 c</td>
<td>0.987</td>
<td>(0.955-1.019)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.158</td>
<td>0.854</td>
<td>(0.782-0.932)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.145 c</td>
<td>0.865</td>
<td>(0.721-1.037)</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>0.010 c</td>
<td>1.010</td>
<td>(0.967-1.055)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>-0.107</td>
<td>0.898</td>
<td>(0.829-0.973)</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>0.022 c</td>
<td>1.023</td>
<td>(0.988-1.059)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.024 c</td>
<td>1.024</td>
<td>(0.986-1.064)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.104</td>
<td>1.110</td>
<td>(1.046-1.178)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>0.081 b</td>
<td>1.084</td>
<td>(0.996-1.181)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.158</td>
<td>1.171</td>
<td>(1.119-1.227)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.411</td>
<td>1.508</td>
<td>(1.434-1.585)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.463</td>
<td>1.589</td>
<td>(1.482-1.703)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.11</td>
<td>1.116</td>
<td>(1.069-1.164)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>0.139</td>
<td>1.149</td>
<td>(1.087-1.214)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>0.138</td>
<td>1.148</td>
<td>(1.077-1.225)</td>
</tr>
<tr>
<td>Respiratory Treatments: Oxygen</td>
<td>0.227</td>
<td>1.255</td>
<td>(1.203-1.310)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>0.037 a</td>
<td>1.038</td>
<td>(1.007-1.069)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.009 c</td>
<td>1.009</td>
<td>(0.959-1.061)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.003 c</td>
<td>1.003</td>
<td>(0.955-1.053)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.022 c</td>
<td>0.978</td>
<td>(0.944-1.014)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.064 a</td>
<td>1.066</td>
<td>(1.014-1.120)</td>
</tr>
<tr>
<td>Payment Source: Medicare HMO</td>
<td>-0.049 a</td>
<td>0.952</td>
<td>(0.913-0.992)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>0.109</td>
<td>1.115</td>
<td>(1.075-1.156)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>0.011 c</td>
<td>1.011</td>
<td>(0.943-1.083)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>0.17</td>
<td>1.185</td>
<td>(1.102-1.275)</td>
</tr>
<tr>
<td>Pressure Ulcer: Unstageable ulcer(s) present</td>
<td>0.221</td>
<td>1.247</td>
<td>(1.093-1.424)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage III ulcer(s) present</td>
<td>0.21</td>
<td>1.233</td>
<td>(1.055-1.441)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage IV ulcer(s) present</td>
<td>0.38</td>
<td>1.462</td>
<td>(1.152-1.855)</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>0.059 a</td>
<td>1.061</td>
<td>(1.012-1.111)</td>
</tr>
</tbody>
</table>
Table 25: Emergency Room Use with Hospitalization (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^1,^2)</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3) (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>0.305</td>
<td>1.356 (1.315-1.398)</td>
</tr>
<tr>
<td>Risk Factors: None of the listed factors</td>
<td>-0.366</td>
<td>0.694 (0.637-0.755)</td>
</tr>
<tr>
<td>Risk Factors: Smoking</td>
<td>0.068</td>
<td>1.071 (1.030-1.113)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>-0.337</td>
<td>0.714 (0.688-0.740)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>0.184 (^c)</td>
<td>1.202 (0.812-1.778)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>0.294</td>
<td>1.342 (1.154-1.560)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>0.362</td>
<td>1.437 (1.270-1.625)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.020 (^c)</td>
<td>0.980 (0.936-1.027)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>-0.102</td>
<td>0.903 (0.871-0.935)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.088</td>
<td>1.092 (1.049-1.138)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.003 (^c)</td>
<td>0.997 (0.961-1.034)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.101</td>
<td>0.904 (0.840-0.972)</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>-0.107 (^c)</td>
<td>0.899 (0.690-1.171)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.052</td>
<td>0.949 (0.918-0.981)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.092 (^b)</td>
<td>1.096 (0.996-1.207)</td>
</tr>
<tr>
<td>Constant</td>
<td>-2.096</td>
<td>0.123</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 83
Developmental Sample R² = 0.091
Developmental Sample C-statistic = 0.724

Validation Sample R² = 0.089
Validation Sample C-statistic = 0.722

---

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^1)(^2)</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anxiety: None of the time</td>
<td>-2.811</td>
<td>0.060</td>
<td>(0.053-0.069)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-1.863</td>
<td>0.155</td>
<td>(0.135-0.178)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>0.312</td>
<td>1.366</td>
<td>(1.221-1.529)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>0.250</td>
<td>1.283</td>
<td>(1.129-1.459)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.221</td>
<td>1.247</td>
<td>(1.084-1.434)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>0.293</td>
<td>1.340</td>
<td>(1.105-1.626)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.286</td>
<td>1.331</td>
<td>(1.241-1.427)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>-0.279</td>
<td>0.757</td>
<td>(0.721-0.793)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.060 (^a)</td>
<td>0.942</td>
<td>(0.890-0.998)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.173</td>
<td>0.841</td>
<td>(0.783-0.903)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.326</td>
<td>0.722</td>
<td>(0.641-0.813)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.358</td>
<td>0.699</td>
<td>(0.656-0.745)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>0.126</td>
<td>1.134</td>
<td>(1.080-1.191)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.272</td>
<td>0.762</td>
<td>(0.701-0.829)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>-0.069 (^a)</td>
<td>0.933</td>
<td>(0.874-0.997)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.192</td>
<td>0.826</td>
<td>(0.764-0.893)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.088</td>
<td>1.092</td>
<td>(1.027-1.162)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.156</td>
<td>1.169</td>
<td>(1.085-1.259)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.230</td>
<td>1.259</td>
<td>(1.177-1.346)</td>
</tr>
<tr>
<td>Behavioral: Memory deficit</td>
<td>-0.094 (^a)</td>
<td>0.911</td>
<td>(0.847-0.979)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.052 (^b)</td>
<td>0.949</td>
<td>(0.896-1.005)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.190</td>
<td>0.827</td>
<td>(0.752-0.909)</td>
</tr>
<tr>
<td>Confused: Constant</td>
<td>-0.230</td>
<td>0.794</td>
<td>(0.669-0.944)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.004 (^c)</td>
<td>1.004</td>
<td>(0.948-1.064)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.054 (^b)</td>
<td>1.056</td>
<td>(0.994-1.121)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>-0.215</td>
<td>0.807</td>
<td>(0.749-0.869)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.124</td>
<td>0.884</td>
<td>(0.832-0.938)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.261</td>
<td>0.770</td>
<td>(0.693-0.857)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.353</td>
<td>0.703</td>
<td>(0.600-0.823)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.107</td>
<td>0.898</td>
<td>(0.846-0.954)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.191</td>
<td>0.826</td>
<td>(0.768-0.888)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.538</td>
<td>0.584</td>
<td>(0.517-0.660)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>-0.057 (^c)</td>
<td>0.944</td>
<td>(0.872-1.022)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.091 (^a)</td>
<td>0.913</td>
<td>(0.843-0.990)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.033 (^c)</td>
<td>0.967</td>
<td>(0.913-1.025)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>-0.185</td>
<td>0.831</td>
<td>(0.765-0.904)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.358</td>
<td>0.699</td>
<td>(0.657-0.744)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.619</td>
<td>0.538</td>
<td>(0.475-0.610)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>-0.787</td>
<td>0.455</td>
<td>(0.397-0.522)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.198</td>
<td>1.219</td>
<td>(1.154-1.288)</td>
</tr>
</tbody>
</table>
Table 26: Stabilization in Anxiety Level (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.093ᵃ</td>
<td>0.911</td>
<td>(0.844-0.984)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.097</td>
<td>1.102</td>
<td>(1.041-1.167)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.158</td>
<td>0.854</td>
<td>(0.799-0.912)</td>
</tr>
<tr>
<td>Constant</td>
<td>4.818</td>
<td>123.752</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 43
Developmental Sample $R^2 = 0.034$  Validation Sample $R^2 = 0.032$
Developmental Sample C-statistic = 0.702  Validation Sample C-statistic = 0.699

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.
² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.
³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^{1,2})</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>-0.233</td>
<td>0.792</td>
<td>(0.695-0.903)</td>
</tr>
<tr>
<td>ADL Assistance: None needed</td>
<td>0.351</td>
<td>1.420</td>
<td>(1.277-1.579)</td>
</tr>
<tr>
<td>Bathing: Independently in shower/tub</td>
<td>-4.445</td>
<td>0.012</td>
<td>(0.010-0.014)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-2.905</td>
<td>0.055</td>
<td>(0.046-0.065)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-2.029</td>
<td>0.131</td>
<td>(0.112-0.154)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.724</td>
<td>0.485</td>
<td>(0.420-0.560)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-0.934</td>
<td>0.393</td>
<td>(0.325-0.475)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>0.371</td>
<td>1.450</td>
<td>(1.329-1.581)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.262</td>
<td>0.770</td>
<td>(0.713-0.831)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.098(^b)</td>
<td>1.103</td>
<td>(0.999-1.217)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.149(^a)</td>
<td>0.861</td>
<td>(0.759-0.978)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.302</td>
<td>0.739</td>
<td>(0.592-0.923)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>0.090</td>
<td>1.094</td>
<td>(1.026-1.167)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.647</td>
<td>0.523</td>
<td>(0.474-0.578)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.110</td>
<td>0.896</td>
<td>(0.829-0.969)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.192</td>
<td>0.826</td>
<td>(0.736-0.926)</td>
</tr>
<tr>
<td>Discharged from long-term nursing facility (NF) past 14 days</td>
<td>-0.406</td>
<td>0.666</td>
<td>(0.526-0.843)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>0.018(^c)</td>
<td>1.018</td>
<td>(0.905-1.145)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.142(^a)</td>
<td>0.868</td>
<td>(0.769-0.979)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.279</td>
<td>0.757</td>
<td>(0.629-0.910)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.086(^a)</td>
<td>0.918</td>
<td>(0.857-0.983)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.166(^a)</td>
<td>0.847</td>
<td>(0.719-0.998)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.229</td>
<td>0.795</td>
<td>(0.742-0.852)</td>
</tr>
<tr>
<td>Drug Regimen Review: Problems found</td>
<td>0.087(^a)</td>
<td>1.090</td>
<td>(1.009-1.179)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.184</td>
<td>1.202</td>
<td>(1.098-1.316)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.088(^b)</td>
<td>1.092</td>
<td>(0.983-1.213)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.190</td>
<td>0.827</td>
<td>(0.761-0.899)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.441</td>
<td>0.644</td>
<td>(0.589-0.703)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.396</td>
<td>0.673</td>
<td>(0.598-0.758)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.644</td>
<td>0.525</td>
<td>(0.467-0.590)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.615</td>
<td>0.541</td>
<td>(0.468-0.625)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-1.251</td>
<td>0.286</td>
<td>(0.241-0.340)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.015(^c)</td>
<td>0.985</td>
<td>(0.894-1.085)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.227</td>
<td>0.797</td>
<td>(0.681-0.933)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.601</td>
<td>0.548</td>
<td>(0.445-0.675)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.098(^a)</td>
<td>1.103</td>
<td>(1.016-1.197)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.190</td>
<td>0.827</td>
<td>(0.751-0.910)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.738</td>
<td>0.478</td>
<td>(0.413-0.554)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.136</td>
<td>0.873</td>
<td>(0.825-0.924)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.261</td>
<td>0.770</td>
<td>(0.715-0.829)</td>
</tr>
</tbody>
</table>

Table 27: Stabilization in Bathing
### Table 27: Stabilization in Bathing (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt; (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.157&lt;sup&gt;a&lt;/sup&gt;</td>
<td>1.170 (1.035-1.322)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.125&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.883 (0.785-0.993)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.120&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.887 (0.778-1.010)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.475</td>
<td>0.622 (0.526-0.735)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.353</td>
<td>0.703 (0.586-0.842)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.063&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.939 (0.863-1.022)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.084&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.919 (0.782-1.081)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.292</td>
<td>0.747 (0.634-0.880)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.338</td>
<td>0.713 (0.660-0.771)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>-0.078&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.925 (0.860-0.994)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>-0.179</td>
<td>0.836 (0.766-0.912)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.332</td>
<td>1.394 (1.284-1.513)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.301</td>
<td>1.351 (1.224-1.491)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.168</td>
<td>1.183 (1.070-1.309)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.058&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.944 (0.828-1.076)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.223&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.800 (0.640-0.999)</td>
</tr>
<tr>
<td>Constant</td>
<td>5.793</td>
<td>327.991</td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 56

Developmental Sample $R^2 = 0.062$  Validation Sample $R^2 = 0.063$

Developmental Sample C-statistic = 0.787  Validation Sample C-statistic = 0.78

---

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^1)(^2)</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.402</td>
<td>1.494</td>
<td>(1.358-1.645)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.213</td>
<td>0.808</td>
<td>(0.745-0.876)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.127 (^a)</td>
<td>0.881</td>
<td>(0.788-0.985)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.279</td>
<td>0.756</td>
<td>(0.660-0.866)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.491</td>
<td>0.612</td>
<td>(0.502-0.746)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.509</td>
<td>0.601</td>
<td>(0.538-0.672)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.105 (^a)</td>
<td>0.900</td>
<td>(0.827-0.980)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.195</td>
<td>1.216</td>
<td>(1.131-1.306)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>-0.023 (^c)</td>
<td>0.977</td>
<td>(0.863-1.106)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.282</td>
<td>0.754</td>
<td>(0.671-0.848)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.536</td>
<td>0.585</td>
<td>(0.486-0.704)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>0.159</td>
<td>1.173</td>
<td>(1.047-1.313)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-0.125</td>
<td>0.882</td>
<td>(0.816-0.954)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>-0.337</td>
<td>0.714</td>
<td>(0.610-0.836)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.035 (^c)</td>
<td>1.036</td>
<td>(0.923-1.163)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.105 (^a)</td>
<td>0.900</td>
<td>(0.820-0.987)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.349</td>
<td>0.705</td>
<td>(0.640-0.777)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.627</td>
<td>0.534</td>
<td>(0.472-0.605)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.883</td>
<td>0.414</td>
<td>(0.368-0.465)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.870</td>
<td>0.419</td>
<td>(0.361-0.486)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-1.829</td>
<td>0.161</td>
<td>(0.134-0.193)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.329</td>
<td>0.719</td>
<td>(0.635-0.815)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.601</td>
<td>0.548</td>
<td>(0.455-0.660)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.859</td>
<td>0.424</td>
<td>(0.343-0.523)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.134</td>
<td>1.143</td>
<td>(1.042-1.254)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.752-0.924)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.695</td>
<td>0.499</td>
<td>(0.431-0.578)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>0.013 (^c)</td>
<td>1.013</td>
<td>(0.924-1.111)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.044 (^c)</td>
<td>0.957</td>
<td>(0.846-1.084)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.321</td>
<td>0.725</td>
<td>(0.644-0.818)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.176</td>
<td>0.839</td>
<td>(0.768-0.916)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>0.123 (^a)</td>
<td>1.131</td>
<td>(1.023-1.250)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with transfer</td>
<td>-0.253</td>
<td>0.776</td>
<td>(0.703-0.858)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>-0.036 (^c)</td>
<td>0.964</td>
<td>(0.862-1.079)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.181</td>
<td>0.835</td>
<td>(0.746-0.934)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.071 (^b)</td>
<td>1.073</td>
<td>(0.989-1.165)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.039 (^c)</td>
<td>1.039</td>
<td>(0.915-1.180)</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>-0.402</td>
<td>0.669</td>
<td>(0.585-0.764)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.341</td>
<td>0.711</td>
<td>(0.650-0.778)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.325</td>
<td>1.384</td>
<td>(1.186-1.616)</td>
</tr>
</tbody>
</table>
Table 28: Stabilization in Bed Transferring (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>0.000&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.000</td>
<td>(0.794-1.258)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.269</td>
<td>1.309</td>
<td>(1.084-1.581)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.398</td>
<td>1.489</td>
<td>(1.158-1.914)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.478</td>
<td>1.613</td>
<td>(1.454-1.790)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.118&lt;sup&gt;b&lt;/sup&gt;</td>
<td>1.125</td>
<td>(0.999-1.267)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.280</td>
<td>0.756</td>
<td>(0.654-0.873)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.563</td>
<td>0.570</td>
<td>(0.457-0.709)</td>
</tr>
<tr>
<td>Transferring: Independent</td>
<td>-4.876</td>
<td>0.008</td>
<td>(0.006-0.010)</td>
</tr>
<tr>
<td>Transferring: With minimal human assistance or with device</td>
<td>-1.375</td>
<td>0.253</td>
<td>(0.206-0.310)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.441</td>
<td>0.643</td>
<td>(0.545-0.759)</td>
</tr>
<tr>
<td>Constant</td>
<td>7.247</td>
<td>1404.202</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 50

Developmental Sample R² = 0.083
Validation Sample R² = 0.075

Developmental Sample C-statistic = 0.858
Validation Sample C-statistic = 0.854

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10

Home Health Agency Quality Measures: Logistic Regression Models For Risk Adjustment 83
Table 29: Stabilization in Cognition

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>-0.322</td>
<td>0.725</td>
<td>(0.658-0.798)</td>
</tr>
<tr>
<td>Acute condition: Neurologic</td>
<td>-0.103</td>
<td>0.902</td>
<td>(0.838-0.972)</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>0.096</td>
<td>1.100</td>
<td>(1.028-1.178)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.131</td>
<td>0.878</td>
<td>(0.813-0.947)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic Pain</td>
<td>0.185</td>
<td>1.203</td>
<td>(1.077-1.343)</td>
</tr>
<tr>
<td>Cognitive Functioning: Alert and focused</td>
<td>-4.337</td>
<td>0.013</td>
<td>(0.010-0.017)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-2.522</td>
<td>0.080</td>
<td>(0.064-0.101)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-1.411</td>
<td>0.244</td>
<td>(0.198-0.300)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>0.319</td>
<td>1.376</td>
<td>(1.267-1.494)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.058</td>
<td>1.059</td>
<td>(0.966-1.161)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.046</td>
<td>0.955</td>
<td>(0.855-1.066)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.312</td>
<td>0.732</td>
<td>(0.608-0.881)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Ill-defined conditions</td>
<td>-0.076</td>
<td>0.927</td>
<td>(0.875-0.982)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.381</td>
<td>0.683</td>
<td>(0.637-0.733)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>0.117</td>
<td>1.124</td>
<td>(1.060-1.192)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.379</td>
<td>0.685</td>
<td>(0.619-0.758)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.147</td>
<td>0.863</td>
<td>(0.786-0.948)</td>
</tr>
<tr>
<td>Discharged from long-term care hospital (LTCH) past 14 days</td>
<td>0.395</td>
<td>1.484</td>
<td>(1.161-1.896)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.208</td>
<td>1.232</td>
<td>(1.161-1.307)</td>
</tr>
<tr>
<td>Lives with other person(s) with around the clock assistance</td>
<td>0.094</td>
<td>1.099</td>
<td>(1.034-1.167)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>0.153</td>
<td>1.166</td>
<td>(1.070-1.269)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>0.273</td>
<td>1.314</td>
<td>(1.117-1.545)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.163</td>
<td>0.850</td>
<td>(0.783-0.922)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.077</td>
<td>1.080</td>
<td>(0.992-1.175)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.133</td>
<td>1.143</td>
<td>(1.035-1.261)</td>
</tr>
<tr>
<td>Drug Regimen Review: Problems found</td>
<td>0.092</td>
<td>1.097</td>
<td>(1.021-1.178)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.245</td>
<td>1.277</td>
<td>(1.145-1.424)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.111</td>
<td>0.895</td>
<td>(0.805-0.996)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.331</td>
<td>0.718</td>
<td>(0.663-0.777)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.508</td>
<td>0.602</td>
<td>(0.554-0.654)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.121</td>
<td>0.886</td>
<td>(0.781-1.005)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.167</td>
<td>0.846</td>
<td>(0.751-0.954)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.272</td>
<td>0.762</td>
<td>(0.678-0.856)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.456</td>
<td>0.634</td>
<td>(0.591-0.680)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.883</td>
<td>0.414</td>
<td>(0.371-0.461)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-1.316</td>
<td>0.268</td>
<td>(0.221-0.325)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.078</td>
<td>1.081</td>
<td>(1.007-1.161)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.147</td>
<td>1.159</td>
<td>(1.078-1.246)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.161</td>
<td>1.174</td>
<td>(1.072-1.286)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.353</td>
<td>0.702</td>
<td>(0.648-0.761)</td>
</tr>
</tbody>
</table>
Table 29: Stabilization in Cognition (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.561</td>
<td>0.570</td>
<td>(0.499-0.653)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.809</td>
<td>0.445</td>
<td>(0.373-0.531)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.017 ²</td>
<td>1.017</td>
<td>(0.944-1.096)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.102 a</td>
<td>0.903</td>
<td>(0.829-0.984)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.455</td>
<td>0.635</td>
<td>(0.555-0.726)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.244</td>
<td>0.784</td>
<td>(0.708-0.867)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.491</td>
<td>0.612</td>
<td>(0.542-0.692)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.641</td>
<td>0.527</td>
<td>(0.460-0.604)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: None of listed conditions</td>
<td>0.408</td>
<td>1.503</td>
<td>(1.380-1.638)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.207</td>
<td>0.813</td>
<td>(0.769-0.861)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.022 c</td>
<td>1.022</td>
<td>(0.932-1.121)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.044 c</td>
<td>1.045</td>
<td>(0.952-1.147)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.212</td>
<td>1.237</td>
<td>(1.154-1.325)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.234</td>
<td>1.264</td>
<td>(1.129-1.415)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.045 c</td>
<td>0.956</td>
<td>(0.862-1.060)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.209</td>
<td>0.812</td>
<td>(0.734-0.897)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.308</td>
<td>0.735</td>
<td>(0.659-0.819)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.378</td>
<td>0.685</td>
<td>(0.596-0.788)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.589</td>
<td>0.555</td>
<td>(0.481-0.640)</td>
</tr>
<tr>
<td>Pressure Ulcer: Unstageable ulcer(s) present</td>
<td>-0.510</td>
<td>0.601</td>
<td>(0.469-0.770)</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.222</td>
<td>1.249</td>
<td>(1.154-1.351)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.469</td>
<td>1.598</td>
<td>(1.479-1.727)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.210</td>
<td>1.234</td>
<td>(1.120-1.359)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.066 c</td>
<td>0.936</td>
<td>(0.852-1.030)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.009 c</td>
<td>1.009</td>
<td>(0.940-1.084)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.198</td>
<td>0.820</td>
<td>(0.756-0.890)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.030 c</td>
<td>0.970</td>
<td>(0.877-1.073)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.218</td>
<td>0.804</td>
<td>(0.716-0.902)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.348</td>
<td>0.706</td>
<td>(0.588-0.848)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.210</td>
<td>0.810</td>
<td>(0.748-0.877)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.416</td>
<td>0.659</td>
<td>(0.572-0.761)</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>-0.805</td>
<td>0.447</td>
<td>(0.303-0.660)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>0.096</td>
<td>1.101</td>
<td>(1.031-1.176)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.200 a</td>
<td>1.222</td>
<td>(1.010-1.479)</td>
</tr>
<tr>
<td>Constant</td>
<td>6.841</td>
<td>935.887</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 74
Developmental Sample R² = 0.064     Validation Sample R² = 0.063
Developmental Sample C-statistic = 0.774     Validation Sample C-statistic = 0.774
Table 29: Stabilization in Cognition (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 30: Stabilization in Grooming

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.152</td>
<td>1.165</td>
<td>(1.079-1.257)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.135 c</td>
<td>0.874</td>
<td>(0.711-1.075)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.343</td>
<td>0.709</td>
<td>(0.580-0.868)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.354</td>
<td>0.702</td>
<td>(0.569-0.865)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-0.244 a</td>
<td>0.784</td>
<td>(0.624-0.985)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-0.426</td>
<td>0.653</td>
<td>(0.521-0.818)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.788</td>
<td>0.455</td>
<td>(0.346-0.597)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>0.348</td>
<td>1.416</td>
<td>(1.285-1.561)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.275</td>
<td>0.759</td>
<td>(0.703-0.821)</td>
</tr>
<tr>
<td>Grooming: Able to groom self unaided</td>
<td>-3.161</td>
<td>0.042</td>
<td>(0.037-0.049)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-1.669</td>
<td>0.188</td>
<td>(0.168-0.212)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.149</td>
<td>0.862</td>
<td>(0.791-0.939)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.732</td>
<td>0.481</td>
<td>(0.431-0.536)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.242</td>
<td>1.274</td>
<td>(1.186-1.369)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>-0.259</td>
<td>0.772</td>
<td>(0.664-0.896)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.388</td>
<td>0.679</td>
<td>(0.589-0.781)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.481</td>
<td>0.618</td>
<td>(0.507-0.753)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.351</td>
<td>1.420</td>
<td>(1.231-1.638)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.290</td>
<td>1.336</td>
<td>(1.168-1.528)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.101 c</td>
<td>0.904</td>
<td>(0.801-1.020)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.133</td>
<td>0.875</td>
<td>(0.797-0.961)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.326</td>
<td>0.721</td>
<td>(0.655-0.795)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.069 c</td>
<td>0.933</td>
<td>(0.794-1.097)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.178 a</td>
<td>0.837</td>
<td>(0.716-0.978)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.129 c</td>
<td>0.879</td>
<td>(0.738-1.048)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.524</td>
<td>0.592</td>
<td>(0.481-0.728)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.224</td>
<td>0.799</td>
<td>(0.694-0.921)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>0.022 c</td>
<td>1.022</td>
<td>(0.877-1.191)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.211</td>
<td>0.810</td>
<td>(0.695-0.944)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.019 c</td>
<td>1.019</td>
<td>(0.937-1.108)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.068 c</td>
<td>0.934</td>
<td>(0.824-1.059)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.391</td>
<td>0.676</td>
<td>(0.547-0.836)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.091 a</td>
<td>0.913</td>
<td>(0.845-0.987)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.403</td>
<td>0.668</td>
<td>(0.544-0.822)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.122 c</td>
<td>0.885</td>
<td>(0.625-1.254)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.088 a</td>
<td>0.916</td>
<td>(0.842-0.997)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.256</td>
<td>0.774</td>
<td>(0.672-0.890)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.300</td>
<td>0.741</td>
<td>(0.594-0.923)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.095 b</td>
<td>0.909</td>
<td>(0.824-1.004)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.328</td>
<td>0.720</td>
<td>(0.618-0.840)</td>
</tr>
</tbody>
</table>
### Table 30: Stabilization in Grooming (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt; (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.440</td>
<td>0.644 (0.523-0.794)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.003&lt;sup&gt; c &lt;/sup&gt;</td>
<td>1.003 (0.912-1.103)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.289</td>
<td>0.749 (0.674-0.831)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.890</td>
<td>0.411 (0.353-0.477)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.098&lt;sup&gt; b &lt;/sup&gt;</td>
<td>0.907 (0.814-1.011)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.299</td>
<td>0.742 (0.647-0.850)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.430</td>
<td>0.650 (0.556-0.760)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.281</td>
<td>0.755 (0.708-0.805)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.136</td>
<td>0.872 (0.788-0.966)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.205</td>
<td>0.814 (0.759-0.874)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>-0.021&lt;sup&gt; c &lt;/sup&gt;</td>
<td>0.980 (0.877-1.095)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.077&lt;sup&gt; c &lt;/sup&gt;</td>
<td>1.080 (0.964-1.211)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.176</td>
<td>1.193 (1.099-1.295)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.030&lt;sup&gt; c &lt;/sup&gt;</td>
<td>1.030 (0.912-1.164)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.172</td>
<td>0.842 (0.745-0.952)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.197</td>
<td>0.822 (0.729-0.926)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.278</td>
<td>0.758 (0.665-0.864)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.533</td>
<td>0.587 (0.494-0.698)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.629</td>
<td>0.533 (0.444-0.640)</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>-0.449</td>
<td>0.638 (0.554-0.735)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.481</td>
<td>1.618 (1.371-1.909)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.051&lt;sup&gt; c &lt;/sup&gt;</td>
<td>0.950 (0.745-1.211)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.284</td>
<td>1.328 (1.080-1.634)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.419</td>
<td>1.520 (1.141-2.025)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.053&lt;sup&gt; c &lt;/sup&gt;</td>
<td>1.055 (0.942-1.181)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.275</td>
<td>1.317 (1.207-1.436)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.047&lt;sup&gt; c &lt;/sup&gt;</td>
<td>1.048 (0.949-1.157)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.377</td>
<td>1.458 (1.308-1.625)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.045&lt;sup&gt; c &lt;/sup&gt;</td>
<td>0.956 (0.862-1.059)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.355</td>
<td>0.701 (0.619-0.794)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.601</td>
<td>0.548 (0.441-0.682)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.122&lt;sup&gt; b &lt;/sup&gt;</td>
<td>0.885 (0.777-1.009)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.610</td>
<td>0.543 (0.472-0.626)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.925</td>
<td>0.397 (0.311-0.506)</td>
</tr>
<tr>
<td>Constant</td>
<td>6.382</td>
<td>591.305</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 74

<table>
<thead>
<tr>
<th>Sample</th>
<th>R²</th>
<th>C-statistic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental</td>
<td>0.069</td>
<td>0.808</td>
</tr>
<tr>
<td>Validation</td>
<td>0.061</td>
<td>0.804</td>
</tr>
</tbody>
</table>

Home Health Agency Quality Measures: Logistic Regression Models For Risk Adjustment
### Table 30: Stabilization in Grooming (continued)

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability < .01
   - a = significant at .01 < probability < .05
   - b = significant at .05 < probability < .10
   - c = not significant, probability > .10
Table 31: Stabilization in Light Meal Preparation

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>-0.152</td>
<td>0.859</td>
<td>(0.784-0.941)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.067 b</td>
<td>1.069</td>
<td>(0.988-1.157)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.101 a</td>
<td>1.106</td>
<td>(1.002-1.222)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.135 c</td>
<td>1.145</td>
<td>(0.870-1.506)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.165</td>
<td>0.848</td>
<td>(0.778-0.924)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.138</td>
<td>1.148</td>
<td>(1.037-1.271)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.149</td>
<td>1.161</td>
<td>(1.085-1.242)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>0.006 c</td>
<td>1.006</td>
<td>(0.912-1.110)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.186</td>
<td>0.830</td>
<td>(0.731-0.944)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>0.041 c</td>
<td>1.042</td>
<td>(0.706-1.539)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.233</td>
<td>0.792</td>
<td>(0.724-0.867)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.652</td>
<td>0.521</td>
<td>(0.467-0.582)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.146</td>
<td>0.864</td>
<td>(0.795-0.940)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>-0.179 a</td>
<td>0.837</td>
<td>(0.730-0.959)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.240</td>
<td>0.787</td>
<td>(0.692-0.895)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.434</td>
<td>0.648</td>
<td>(0.517-0.812)</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>0.480</td>
<td>1.616</td>
<td>(1.461-1.787)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.741</td>
<td>0.476</td>
<td>(0.427-0.532)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>0.456</td>
<td>1.577</td>
<td>(1.377-1.807)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.337</td>
<td>0.714</td>
<td>(0.650-0.784)</td>
</tr>
<tr>
<td>Meal prep: Independently able to plan/prepare light meals</td>
<td>-1.407</td>
<td>0.245</td>
<td>(0.226-0.265)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.320</td>
<td>1.377</td>
<td>(1.257-1.508)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.042 c</td>
<td>0.959</td>
<td>(0.853-1.077)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.209</td>
<td>0.811</td>
<td>(0.741-0.887)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.484</td>
<td>0.616</td>
<td>(0.560-0.678)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.150 a</td>
<td>0.861</td>
<td>(0.754-0.983)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.248</td>
<td>0.780</td>
<td>(0.686-0.886)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.240</td>
<td>0.787</td>
<td>(0.675-0.917)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-0.654</td>
<td>0.520</td>
<td>(0.426-0.634)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.008 c</td>
<td>0.992</td>
<td>(0.918-1.073)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.198</td>
<td>0.820</td>
<td>(0.722-0.931)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.405</td>
<td>0.667</td>
<td>(0.493-0.903)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.003 c</td>
<td>0.997</td>
<td>(0.915-1.087)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.195 a</td>
<td>0.823</td>
<td>(0.701-0.965)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.415</td>
<td>0.661</td>
<td>(0.503-0.868)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.026 c</td>
<td>1.026</td>
<td>(0.941-1.118)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.178</td>
<td>0.837</td>
<td>(0.756-0.927)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.520</td>
<td>0.595</td>
<td>(0.498-0.710)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.036 c</td>
<td>0.965</td>
<td>(0.870-1.070)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.174</td>
<td>0.841</td>
<td>(0.737-0.958)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.636</td>
<td>0.530</td>
<td>(0.461-0.608)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>-0.386</td>
<td>0.680</td>
<td>(0.644-0.718)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.104 b</td>
<td>1.110</td>
<td>(0.994-1.238)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.062 c</td>
<td>1.064</td>
<td>(0.952-1.188)</td>
</tr>
</tbody>
</table>
### Table 31: Stabilization in Light Meal Preparation (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.333</td>
<td>1.396</td>
<td>(1.287-1.514)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.208</td>
<td>1.231</td>
<td>(1.089-1.392)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.154 a</td>
<td>0.858</td>
<td>(0.763-0.964)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.245</td>
<td>0.783</td>
<td>(0.691-0.887)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.146 b</td>
<td>0.865</td>
<td>(0.743-1.007)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.773</td>
<td>0.462</td>
<td>(0.364-0.586)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.551</td>
<td>0.576</td>
<td>(0.431-0.770)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>-0.148</td>
<td>0.863</td>
<td>(0.786-0.946)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.171 b</td>
<td>0.843</td>
<td>(0.705-1.007)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>-0.371</td>
<td>0.690</td>
<td>(0.572-0.833)</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>-0.285</td>
<td>0.752</td>
<td>(0.629-0.898)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.153</td>
<td>0.859</td>
<td>(0.789-0.934)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>-0.148</td>
<td>0.862</td>
<td>(0.780-0.953)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>-0.148</td>
<td>0.863</td>
<td>(0.801-0.930)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.045 c</td>
<td>0.956</td>
<td>(0.854-1.071)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>-0.012 c</td>
<td>0.988</td>
<td>(0.910-1.073)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.152</td>
<td>0.859</td>
<td>(0.781-0.945)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.356</td>
<td>1.428</td>
<td>(1.277-1.597)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.044 c</td>
<td>0.957</td>
<td>(0.839-1.091)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.299</td>
<td>0.742</td>
<td>(0.641-0.858)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.484</td>
<td>0.616</td>
<td>(0.429-0.885)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>0.057 c</td>
<td>1.059</td>
<td>(0.975-1.149)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.535</td>
<td>0.586</td>
<td>(0.463-0.742)</td>
</tr>
<tr>
<td>Constant</td>
<td>4.373</td>
<td>79.316</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 67
Developmental Sample $R^2 = 0.074$ Validation Sample $R^2 = 0.072$
Developmental Sample C-statistic = 0.779 Validation Sample C-statistic = 0.779

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01
a = significant at .01<probability<.05
b = significant at .05<probability<.10
c = not significant, probability>.10
## Table 32: Stabilization in Management of Oral Medications

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.099</td>
<td>1.104</td>
<td>(1.045-1.167)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.370</td>
<td>0.691</td>
<td>(0.652-0.731)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.334</td>
<td>1.396</td>
<td>(1.293-1.508)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.189</td>
<td>1.208</td>
<td>(1.148-1.272)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.136</td>
<td>0.873</td>
<td>(0.812-0.939)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.386</td>
<td>0.680</td>
<td>(0.621-0.744)</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>-0.112</td>
<td>0.894</td>
<td>(0.839-0.953)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.184</td>
<td>1.202</td>
<td>(1.138-1.269)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.924</td>
<td>0.397</td>
<td>(0.361-0.437)</td>
</tr>
<tr>
<td>Lives in congregate situation with regular nighttime assistance</td>
<td>-1.312 a</td>
<td>0.269</td>
<td>(0.089-0.812)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.162 a</td>
<td>0.850</td>
<td>(0.747-0.968)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.730-0.953)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.551</td>
<td>0.577</td>
<td>(0.502-0.662)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.061 c</td>
<td>0.941</td>
<td>(0.870-1.018)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.127 b</td>
<td>0.881</td>
<td>(0.775-1.001)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/total dependent</td>
<td>-0.355</td>
<td>0.701</td>
<td>(0.543-0.906)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.218</td>
<td>0.804</td>
<td>(0.750-0.863)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.578</td>
<td>0.561</td>
<td>(0.500-0.629)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.984</td>
<td>0.374</td>
<td>(0.285-0.490)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.103</td>
<td>0.902</td>
<td>(0.841-0.967)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.156 a</td>
<td>0.855</td>
<td>(0.745-0.982)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.223 b</td>
<td>0.800</td>
<td>(0.633-1.012)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.077 a</td>
<td>1.080</td>
<td>(1.009-1.156)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.157</td>
<td>0.855</td>
<td>(0.790-0.926)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.557</td>
<td>0.573</td>
<td>(0.502-0.653)</td>
</tr>
<tr>
<td>Management of Oral Meds: Independent</td>
<td>-0.943</td>
<td>0.389</td>
<td>(0.357-0.425)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.352</td>
<td>0.703</td>
<td>(0.651-0.760)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.259</td>
<td>0.772</td>
<td>(0.701-0.849)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.135</td>
<td>1.145</td>
<td>(1.047-1.251)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.107 a</td>
<td>1.113</td>
<td>(1.019-1.216)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.314</td>
<td>1.369</td>
<td>(1.286-1.458)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.465</td>
<td>1.592</td>
<td>(1.443-1.756)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.091 b</td>
<td>0.913</td>
<td>(0.829-1.005)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.523</td>
<td>0.593</td>
<td>(0.538-0.653)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.542</td>
<td>0.582</td>
<td>(0.519-0.652)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-1.331</td>
<td>0.264</td>
<td>(0.221-0.316)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-1.020</td>
<td>0.361</td>
<td>(0.296-0.439)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: None needed</td>
<td>0.317</td>
<td>1.373</td>
<td>(1.295-1.457)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.455</td>
<td>1.576</td>
<td>(1.402-1.770)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.102 c</td>
<td>0.903</td>
<td>(0.764-1.067)</td>
</tr>
</tbody>
</table>
Table 32: Stabilization in Management of Oral Medications (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.193</td>
<td>1.213</td>
<td>(1.055-1.394)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.271</td>
<td>1.311</td>
<td>(1.087-1.582)</td>
</tr>
<tr>
<td>Constant</td>
<td>3.129</td>
<td>22.852</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 42
Developmental Sample $R^2 = 0.041$    Validation Sample $R^2 = 0.043$
Developmental Sample C-statistic = 0.711   Validation Sample C-statistic = 0.711

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
Table 33: Stabilization in Phone Use

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC</th>
<th>Coefficient</th>
<th>Odds ratio</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.161</td>
<td>1.174</td>
<td>(1.104-1.249)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.066 a</td>
<td>1.069</td>
<td>(1.003-1.139)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.107</td>
<td>1.112</td>
<td>(1.032-1.199)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.175 c</td>
<td>1.192</td>
<td>(0.962-1.477)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>0.084 c</td>
<td>1.088</td>
<td>(0.912-1.298)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.043 c</td>
<td>1.044</td>
<td>(0.881-1.237)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.128 c</td>
<td>1.136</td>
<td>(0.949-1.361)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.255 a</td>
<td>1.290</td>
<td>(1.056-1.577)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.205 a</td>
<td>1.228</td>
<td>(1.012-1.491)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-0.048 c</td>
<td>0.953</td>
<td>(0.766-1.186)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.138</td>
<td>0.871</td>
<td>(0.813-0.933)</td>
</tr>
<tr>
<td>Chronic Conditions: Cognitive/mental/behavioral</td>
<td>-0.211</td>
<td>0.810</td>
<td>(0.755-0.869)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic Pain</td>
<td>0.172</td>
<td>1.188</td>
<td>(1.079-1.308)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>-0.155</td>
<td>0.857</td>
<td>(0.782-0.939)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.266</td>
<td>1.304</td>
<td>(1.200-1.417)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.169</td>
<td>0.845</td>
<td>(0.765-0.932)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.270</td>
<td>0.763</td>
<td>(0.680-0.856)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.325</td>
<td>0.722</td>
<td>(0.695-0.846)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.215</td>
<td>0.806</td>
<td>(0.754-0.862)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.496</td>
<td>0.609</td>
<td>(0.552-0.672)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>-0.085</td>
<td>0.918</td>
<td>(0.866-0.974)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>-0.582</td>
<td>0.559</td>
<td>(0.468-0.667)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.203</td>
<td>1.226</td>
<td>(1.153-1.302)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-0.287</td>
<td>0.751</td>
<td>(0.696-0.810)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.249</td>
<td>0.780</td>
<td>(0.723-0.841)</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>0.225</td>
<td>1.252</td>
<td>(1.155-1.357)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.018 c</td>
<td>0.982</td>
<td>(0.883-1.094)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.131</td>
<td>0.877</td>
<td>(0.810-0.949)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.387</td>
<td>0.679</td>
<td>(0.626-0.737)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.046 c</td>
<td>0.955</td>
<td>(0.889-1.025)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.265</td>
<td>0.767</td>
<td>(0.695-0.846)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.554</td>
<td>0.575</td>
<td>(0.489-0.675)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.145</td>
<td>1.156</td>
<td>(1.077-1.242)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.216</td>
<td>1.241</td>
<td>(1.155-1.333)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.251</td>
<td>1.285</td>
<td>(1.175-1.405)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.275</td>
<td>0.760</td>
<td>(0.711-0.812)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.482</td>
<td>0.618</td>
<td>(0.556-0.686)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.983</td>
<td>0.374</td>
<td>(0.318-0.440)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.072 b</td>
<td>0.930</td>
<td>(0.859-1.007)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.222</td>
<td>0.801</td>
<td>(0.712-0.902)</td>
</tr>
</tbody>
</table>
### Table 33: Stabilization in Phone Use (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt;</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.378</td>
<td>0.685</td>
<td>(0.589-0.798)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.072&lt;sup&gt;b&lt;/sup&gt;</td>
<td>1.074</td>
<td>(0.997-1.158)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.081&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0.922</td>
<td>(0.848-1.003)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.461</td>
<td>0.631</td>
<td>(0.555-0.717)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.297</td>
<td>0.743</td>
<td>(0.666-0.830)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.456</td>
<td>0.634</td>
<td>(0.559-0.720)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.716</td>
<td>0.489</td>
<td>(0.425-0.562)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>-0.099</td>
<td>0.906</td>
<td>(0.859-0.956)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.222</td>
<td>0.801</td>
<td>(0.756-0.848)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.042&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.043</td>
<td>(0.952-1.142)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.008&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.992</td>
<td>(0.910-1.082)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.246</td>
<td>1.278</td>
<td>(1.193-1.370)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.396</td>
<td>1.486</td>
<td>(1.319-1.673)</td>
</tr>
<tr>
<td>Use of Telephone: Able to make and answer calls</td>
<td>-1.547</td>
<td>0.213</td>
<td>(0.186-0.244)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-1.315</td>
<td>0.268</td>
<td>(0.232-0.311)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.949</td>
<td>0.387</td>
<td>(0.338-0.444)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.392</td>
<td>0.676</td>
<td>(0.592-0.772)</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.305</td>
<td>1.356</td>
<td>(1.254-1.468)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>-0.103</td>
<td>0.902</td>
<td>(0.841-0.967)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.575</td>
<td>1.776</td>
<td>(1.632-1.934)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.037&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.963</td>
<td>(0.878-1.057)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.120</td>
<td>1.128</td>
<td>(1.052-1.210)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.159</td>
<td>0.853</td>
<td>(0.790-0.921)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.249</td>
<td>1.283</td>
<td>(1.173-1.403)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>0.005&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.005</td>
<td>(0.921-1.096)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.123&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.884</td>
<td>(0.799-0.979)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.344</td>
<td>0.709</td>
<td>(0.602-0.835)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.066&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.936</td>
<td>(0.837-1.046)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.214</td>
<td>0.807</td>
<td>(0.711-0.916)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.332</td>
<td>0.718</td>
<td>(0.595-0.866)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.097</td>
<td>0.908</td>
<td>(0.853-0.965)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.534</td>
<td>0.586</td>
<td>(0.500-0.688)</td>
</tr>
<tr>
<td>Constant</td>
<td>4.876</td>
<td>131.042</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 72

**Developmental Sample R² = 0.077**  
Validation Sample R² = 0.070

**Developmental Sample C-statistic = 0.801**  
Validation Sample C-statistic = 0.800
Table 33: Stabilization in Phone Use (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Enteral/parenteral nutrition</td>
<td>-0.474</td>
<td>0.623</td>
<td>(0.502-0.773)</td>
</tr>
<tr>
<td>Acute Condition: IV Therapies</td>
<td>0.370</td>
<td>1.448</td>
<td>(1.179-1.779)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.142</td>
<td>1.153</td>
<td>(1.079-1.232)</td>
</tr>
<tr>
<td>Acute Condition: Mental/Emotional</td>
<td>-0.298</td>
<td>0.743</td>
<td>(0.615-0.897)</td>
</tr>
<tr>
<td>Behavioral: Physical aggression to self/others</td>
<td>-0.370</td>
<td>0.691</td>
<td>(0.547-0.873)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>0.318</td>
<td>1.374</td>
<td>(1.159-1.628)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Three or more times per week</td>
<td>0.195</td>
<td>1.215</td>
<td>(1.106-1.468)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>0.184</td>
<td>1.202</td>
<td>(0.982-1.471)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: Received less than weekly</td>
<td>0.122</td>
<td>1.130</td>
<td>(0.871-1.465)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.182</td>
<td>0.834</td>
<td>(0.776-0.896)</td>
</tr>
<tr>
<td>Chronic Conditions: Cognitive/mental/behavioral</td>
<td>-0.088</td>
<td>0.916</td>
<td>(0.847-0.990)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.268</td>
<td>1.308</td>
<td>(1.205-1.420)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.011</td>
<td>0.989</td>
<td>(0.901-1.084)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.071</td>
<td>0.932</td>
<td>(0.833-1.041)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.319</td>
<td>0.727</td>
<td>(0.605-0.873)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.219</td>
<td>0.803</td>
<td>(0.750-0.861)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>0.068</td>
<td>1.070</td>
<td>(1.006-1.139)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.338</td>
<td>0.713</td>
<td>(0.644-0.789)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.089</td>
<td>0.915</td>
<td>(0.855-0.978)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver currently provides</td>
<td>0.129</td>
<td>1.138</td>
<td>(1.031-1.255)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.117</td>
<td>1.124</td>
<td>(1.039-1.216)</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>0.294</td>
<td>1.342</td>
<td>(1.261-1.427)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>-0.143</td>
<td>0.867</td>
<td>(0.800-0.939)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.247</td>
<td>0.781</td>
<td>(0.707-0.864)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.137</td>
<td>0.872</td>
<td>(0.807-0.941)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.165</td>
<td>0.848</td>
<td>(0.782-0.919)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.159</td>
<td>0.853</td>
<td>(0.756-0.963)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.154</td>
<td>0.858</td>
<td>(0.766-0.961)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.226</td>
<td>0.798</td>
<td>(0.714-0.892)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>-0.260</td>
<td>0.771</td>
<td>(0.709-0.839)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>-0.490</td>
<td>0.607</td>
<td>(0.536-0.688)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>-0.583</td>
<td>0.558</td>
<td>(0.466-0.669)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.315</td>
<td>0.730</td>
<td>(0.675-0.789)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.512</td>
<td>0.599</td>
<td>(0.535-0.672)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.563</td>
<td>0.570</td>
<td>(0.476-0.681)</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>0.121</td>
<td>1.129</td>
<td>(1.051-1.213)</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>0.147</td>
<td>1.158</td>
<td>(1.078-1.244)</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>0.119</td>
<td>1.126</td>
<td>(1.031-1.230)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.034</td>
<td>0.967</td>
<td>(0.896-1.044)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.151</td>
<td>0.860</td>
<td>(0.789-0.938)</td>
</tr>
</tbody>
</table>
## Table 34: Stabilization in Speech / Language (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.432</td>
<td>0.649</td>
<td>(0.569-0.741)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.132 a</td>
<td>0.876</td>
<td>(0.792-0.970)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.263</td>
<td>0.769</td>
<td>(0.680-0.870)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.389</td>
<td>0.678</td>
<td>(0.592-0.777)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Intractable pain</td>
<td>0.160</td>
<td>1.174</td>
<td>(1.063-1.295)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.212</td>
<td>0.809</td>
<td>(0.764-0.857)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.067 c</td>
<td>1.069</td>
<td>(0.975-1.173)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.156</td>
<td>1.169</td>
<td>(1.065-1.283)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.234</td>
<td>1.264</td>
<td>(1.181-1.353)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.321</td>
<td>1.379</td>
<td>(1.231-1.545)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.200</td>
<td>0.819</td>
<td>(0.739-0.907)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.311</td>
<td>0.733</td>
<td>(0.664-0.808)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.527</td>
<td>0.591</td>
<td>(0.531-0.657)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.754</td>
<td>0.470</td>
<td>(0.412-0.537)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-1.036</td>
<td>0.355</td>
<td>(0.310-0.407)</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>0.164</td>
<td>1.178</td>
<td>(1.092-1.271)</td>
</tr>
<tr>
<td>Difficulty in Speech: No observable impairment</td>
<td>-4.088</td>
<td>0.017</td>
<td>(0.011-0.026)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-2.377</td>
<td>0.093</td>
<td>(0.061-0.142)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-1.551</td>
<td>0.212</td>
<td>(0.140-0.322)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe difficulty</td>
<td>-1.080</td>
<td>0.340</td>
<td>(0.224-0.514)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.484</td>
<td>1.622</td>
<td>(1.499-1.755)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.061 c</td>
<td>0.941</td>
<td>(0.858-1.032)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.091 a</td>
<td>1.096</td>
<td>(1.020-1.177)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.140</td>
<td>0.869</td>
<td>(0.801-0.943)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.315</td>
<td>1.370</td>
<td>(1.250-1.503)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.023 c</td>
<td>0.978</td>
<td>(0.884-1.081)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.218</td>
<td>0.804</td>
<td>(0.717-0.902)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.398</td>
<td>0.672</td>
<td>(0.561-0.804)</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>-0.121</td>
<td>0.886</td>
<td>(0.820-0.958)</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>-0.299</td>
<td>0.742</td>
<td>(0.645-0.853)</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>-0.610</td>
<td>0.543</td>
<td>(0.381-0.776)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.005 c</td>
<td>0.995</td>
<td>(0.933-1.061)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.279</td>
<td>1.321</td>
<td>(1.089-1.602)</td>
</tr>
<tr>
<td>Constant</td>
<td>6.590</td>
<td>727.771</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 73
Developmental Sample R² = 0.064
Developmental Sample C-statistic = 0.771

Validation Sample R² = 0.064
Validation Sample C-statistic = 0.771
Table 34: Stabilization in Speech / Language (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^{1,2})</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3)</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 35: Stabilization in Toilet Transferring (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.216</td>
<td>1.242</td>
<td>(1.130-1.364)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.022 c</td>
<td>1.022</td>
<td>(0.918-1.138)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.271</td>
<td>1.311</td>
<td>(1.165-1.476)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.118 a</td>
<td>0.889</td>
<td>(0.798-0.989)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.434</td>
<td>0.648</td>
<td>(0.564-0.744)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.588</td>
<td>0.556</td>
<td>(0.448-0.690)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet independently</td>
<td>-2.339</td>
<td>0.096</td>
<td>(0.072-0.129)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.294 a</td>
<td>0.746</td>
<td>(0.567-0.981)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.170 c</td>
<td>1.186</td>
<td>(0.899-1.564)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.093 c</td>
<td>0.911</td>
<td>(0.768-1.081)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.416</td>
<td>0.660</td>
<td>(0.549-0.793)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.636</td>
<td>0.529</td>
<td>(0.400-0.700)</td>
</tr>
<tr>
<td>Constant</td>
<td>6.526</td>
<td>682.622</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 52
Developmental Sample $R^2 = 0.050$
Developmental Sample C-statistic = 0.805
Validation Sample $R^2 = 0.051$
Validation Sample C-statistic = 0.803

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
Table 36: Stabilization in Toileting Hygiene

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Orthopedic</td>
<td>0.112</td>
<td>1.118</td>
<td>(1.034-1.209)</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>-0.217</td>
<td>0.805</td>
<td>(0.737-0.879)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>0.213</td>
<td>1.238</td>
<td>(1.125-1.363)</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>-0.258</td>
<td>0.772</td>
<td>(0.713-0.836)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.140 a</td>
<td>0.869</td>
<td>(0.781-0.968)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.233</td>
<td>0.792</td>
<td>(0.695-0.904)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.168 c</td>
<td>0.845</td>
<td>(0.653-1.093)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>-0.150</td>
<td>0.861</td>
<td>(0.787-0.941)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.726</td>
<td>0.484</td>
<td>(0.432-0.542)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>-0.128</td>
<td>0.880</td>
<td>(0.809-0.958)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>-0.302</td>
<td>0.739</td>
<td>(0.663-0.824)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>-0.124 c</td>
<td>0.883</td>
<td>(0.746-1.045)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>-0.275</td>
<td>0.760</td>
<td>(0.648-0.891)</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>-0.564</td>
<td>0.569</td>
<td>(0.458-0.707)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.003 c</td>
<td>0.997</td>
<td>(0.880-1.130)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.082 b</td>
<td>0.921</td>
<td>(0.838-1.013)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.103 c</td>
<td>0.902</td>
<td>(0.756-1.077)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.188 a</td>
<td>0.829</td>
<td>(0.697-0.985)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.330</td>
<td>0.719</td>
<td>(0.596-0.867)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>-1.057</td>
<td>0.348</td>
<td>(0.280-0.431)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>-0.288</td>
<td>0.750</td>
<td>(0.650-0.866)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.102 c</td>
<td>0.903</td>
<td>(0.771-1.059)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.197 a</td>
<td>0.821</td>
<td>(0.683-0.987)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.083 b</td>
<td>1.086</td>
<td>(0.997-1.184)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>-0.041 c</td>
<td>0.960</td>
<td>(0.843-1.093)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.314</td>
<td>0.731</td>
<td>(0.587-0.909)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.169</td>
<td>0.844</td>
<td>(0.781-0.913)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.510</td>
<td>0.601</td>
<td>(0.483-0.746)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.302 b</td>
<td>0.739</td>
<td>(0.521-1.048)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-0.114</td>
<td>0.892</td>
<td>(0.818-0.973)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>-0.169 a</td>
<td>0.844</td>
<td>(0.729-0.978)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>-0.407</td>
<td>0.666</td>
<td>(0.534-0.829)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.328</td>
<td>0.720</td>
<td>(0.654-0.792)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.469</td>
<td>0.625</td>
<td>(0.532-0.735)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-1.015</td>
<td>0.362</td>
<td>(0.287-0.457)</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>-0.210</td>
<td>0.811</td>
<td>(0.720-0.912)</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>-0.351</td>
<td>0.704</td>
<td>(0.597-0.830)</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>-0.753</td>
<td>0.471</td>
<td>(0.372-0.596)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.146</td>
<td>1.157</td>
<td>(1.050-1.274)</td>
</tr>
</tbody>
</table>
Table 36: Stabilization in Toileting Hygiene (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>-0.062 c</td>
<td>0.940 (0.845-1.046)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>-0.451</td>
<td>0.637 (0.544-0.745)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.054 c</td>
<td>0.948 (0.848-1.059)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.169 a</td>
<td>0.845 (0.734-0.972)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.271</td>
<td>0.762 (0.648-0.897)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>-0.108 a</td>
<td>0.898 (0.807-0.999)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>-0.133</td>
<td>0.875 (0.811-0.944)</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>-0.351</td>
<td>0.704 (0.656-0.756)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>-0.007 c</td>
<td>1.007 (0.899-1.128)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.132 a</td>
<td>1.141 (1.013-1.285)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.257</td>
<td>1.293 (1.188-1.407)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.202</td>
<td>1.223 (1.078-1.388)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.186</td>
<td>0.830 (0.734-0.939)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>-0.133 a</td>
<td>0.875 (0.773-0.991)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.309</td>
<td>0.734 (0.644-0.837)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.505</td>
<td>0.603 (0.503-0.724)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.549</td>
<td>0.577 (0.478-0.697)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>-0.361</td>
<td>0.697 (0.643-0.754)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Uncertain/unlikely to be provided</td>
<td>-0.483</td>
<td>0.617 (0.480-0.794)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>0.576</td>
<td>1.779 (1.495-2.117)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.029 c</td>
<td>0.971 (0.748-1.261)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>0.217 a</td>
<td>1.243 (1.005-1.537)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>0.358 a</td>
<td>1.431 (1.074-1.906)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.114 b</td>
<td>1.120 (0.998-1.257)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>0.274</td>
<td>1.316 (1.205-1.437)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.119 a</td>
<td>1.126 (1.015-1.249)</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>0.315</td>
<td>1.370 (1.221-1.536)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: None needed</td>
<td>-3.166</td>
<td>0.042 (0.036-0.049)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-1.626</td>
<td>0.197 (0.173-0.223)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.143 b</td>
<td>0.867 (0.744-1.011)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>-0.542</td>
<td>0.582 (0.494-0.685)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>-0.903</td>
<td>0.405 (0.307-0.535)</td>
</tr>
<tr>
<td>Constant</td>
<td>7.064</td>
<td>1168.658</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 43
Developmental Sample R² = 0.065
Validation Sample R² = 0.062
Developmental Sample C-statistic = 0.809
Validation Sample C-statistic = 0.804
Table 36: Stabilization in Toileting Hygiene (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 37: Development of Urinary Tract Infection

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>0.585</td>
<td>1.794</td>
<td>(1.219-2.640)</td>
</tr>
<tr>
<td>Behavioral: Delusions or hallucinations</td>
<td>0.525</td>
<td>1.691</td>
<td>(1.185-2.412)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>-0.244</td>
<td>0.784</td>
<td>(0.676-0.909)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.585</td>
<td>1.796</td>
<td>(1.597-2.019)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>0.617</td>
<td>1.854</td>
<td>(1.595-2.154)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>1.455</td>
<td>4.284</td>
<td>(2.833-6.477)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.215</td>
<td>1.240</td>
<td>(1.090-1.412)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-1.501</td>
<td>0.223</td>
<td>(0.177-0.280)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.359</td>
<td>0.698</td>
<td>(0.583-0.837)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.010 c</td>
<td>0.990</td>
<td>(0.867-1.130)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>0.022 c</td>
<td>1.023</td>
<td>(0.888-1.177)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.227 a</td>
<td>0.797</td>
<td>(0.639-0.993)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.068 c</td>
<td>0.934</td>
<td>(0.771-1.133)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.001 c</td>
<td>0.999</td>
<td>(0.813-1.228)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>0.360</td>
<td>1.433</td>
<td>(1.129-1.820)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>0.292</td>
<td>1.339</td>
<td>(1.078-1.663)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.081 c</td>
<td>0.922</td>
<td>(0.727-1.168)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>0.042 c</td>
<td>1.042</td>
<td>(0.837-1.298)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.084 c</td>
<td>0.920</td>
<td>(0.818-1.034)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>0.170 a</td>
<td>1.185</td>
<td>(1.005-1.398)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>0.233 b</td>
<td>1.263</td>
<td>(0.968-1.647)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.155 a</td>
<td>1.168</td>
<td>(1.014-1.346)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.125 c</td>
<td>1.133</td>
<td>(0.961-1.336)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.438</td>
<td>1.550</td>
<td>(1.211-1.985)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>0.491 a</td>
<td>1.634</td>
<td>(1.075-2.484)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Urinary incontinence</td>
<td>0.568</td>
<td>1.766</td>
<td>(1.229-2.537)</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>0.249 a</td>
<td>1.283</td>
<td>(1.030-1.598)</td>
</tr>
<tr>
<td>Constant</td>
<td>-5.207</td>
<td>0.005</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 27

Developmental Sample C-statistic = 0.687
Validation Sample C-statistic = 0.679

Developmental Sample Hosmer-Lemeshow = 224.464
Validation Sample Hosmer-Lemeshow = 791.350

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

  Blank = significant at probability<.01
  a = significant at .01<probability<.05
  b = significant at .05<probability<.10
  c = not significant, probability>.10

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Table 38: Discharged to Community Needing Toileting Assistance

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>0.585</td>
<td>1.794 (1.219-2.640)</td>
</tr>
<tr>
<td>Behavioral: Delusions or hallucinations</td>
<td>0.525</td>
<td>1.691 (1.185-2.412)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>-0.244</td>
<td>0.784 (0.676-0.909)</td>
</tr>
<tr>
<td>Patient is male</td>
<td>0.585</td>
<td>1.796 (1.597-2.019)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>0.617</td>
<td>1.854 (1.595-2.154)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter</td>
<td>1.455</td>
<td>4.284 (2.833-6.477)</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>0.215</td>
<td>1.240 (1.090-1.412)</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>-1.501</td>
<td>0.223 (0.177-0.280)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.359</td>
<td>0.698 (0.583-0.837)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.010 c</td>
<td>0.990 (0.867-1.130)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>0.022 c</td>
<td>1.023 (0.888-1.177)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.227 a</td>
<td>0.797 (0.639-0.993)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>-0.068 b</td>
<td>0.934 (0.771-1.133)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.001 c</td>
<td>0.999 (0.813-1.228)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>0.360</td>
<td>1.433 (1.129-1.820)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>0.292</td>
<td>1.339 (1.078-1.663)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>-0.081 c</td>
<td>0.922 (0.727-1.168)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>0.042 c</td>
<td>1.042 (0.837-1.298)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>-0.084 c</td>
<td>0.920 (0.818-1.034)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>0.170 a</td>
<td>1.185 (1.005-1.398)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>0.233 b</td>
<td>1.263 (0.968-1.647)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.155 a</td>
<td>1.168 (1.014-1.346)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.125 c</td>
<td>1.133 (0.961-1.336)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.438</td>
<td>1.550 (1.211-1.985)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>0.491 a</td>
<td>1.634 (1.075-2.484)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Urinary incontinence</td>
<td>0.568</td>
<td>1.766 (1.229-2.537)</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>0.249 a</td>
<td>1.283 (1.030-1.598)</td>
</tr>
<tr>
<td>Constant</td>
<td>-5.207</td>
<td>0.005</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 27

Developmental Sample C-statistic = 0.687
Validation Sample C-statistic = 0.679

Developmental Sample Hosmer-Lemeshow = 224.464
Validation Sample Hosmer-Lemeshow = 791.350

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

Blank = significant at probability<.01
a = significant at .01<probability<.05
b = significant at .05<probability<.10
c = not significant, probability>.10
### Table 39: Discharged to Community Needing Wound Care or Medication Assistance

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-0.330 c</td>
<td>0.719</td>
<td>(0.360-1.437)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.204 c</td>
<td>1.226</td>
<td>(0.676-2.223)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>1.087 a</td>
<td>2.964</td>
<td>(1.260-6.974)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>-2.113</td>
<td>0.121</td>
<td>(0.049-0.296)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>-0.809 c</td>
<td>0.445</td>
<td>(0.146-1.355)</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>-0.908 c</td>
<td>0.403</td>
<td>(0.103-1.574)</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>0.172 c</td>
<td>1.188</td>
<td>(0.364-3.872)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>-0.637 a</td>
<td>0.529</td>
<td>(0.297-0.941)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-1.299</td>
<td>0.273</td>
<td>(0.114-0.651)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>0.767 c</td>
<td>2.153</td>
<td>(0.809-5.734)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>-0.126 c</td>
<td>0.882</td>
<td>(0.206-3.775)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>-0.368 c</td>
<td>0.692</td>
<td>(0.206-2.329)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>0.760</td>
<td>2.139</td>
<td>(1.214-3.768)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.651 c</td>
<td>1.918</td>
<td>(0.604-6.097)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>2.365</td>
<td>10.639</td>
<td>(3.382-33.464)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>2.676</td>
<td>14.521</td>
<td>(4.149-50.827)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.305 c</td>
<td>0.737</td>
<td>(0.217-2.502)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>0.807 c</td>
<td>2.241</td>
<td>(0.709-7.079)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: None needed</td>
<td>-1.540</td>
<td>0.214</td>
<td>(0.118-0.388)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Caregiver provides</td>
<td>-2.677</td>
<td>0.069</td>
<td>(0.025-0.192)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Needs training/support</td>
<td>-1.660</td>
<td>0.190</td>
<td>(0.068-0.533)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: None needed</td>
<td>-1.709 a</td>
<td>0.181</td>
<td>(0.045-0.731)</td>
</tr>
<tr>
<td>Constant</td>
<td>-6.145</td>
<td>0.002</td>
<td>(0.000-0.000)</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 23

Developmental Sample C-statistic = 0.925
Validation Sample C-statistic = 0.908

Developmental Sample Hosmer-Lemeshow = 174.805
Validation Sample Hosmer-Lemeshow = 904.645

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 40: Discharged to Community with Unhealed Stage II Pressure Ulcer

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^1,2)</th>
<th>Coefficient(^3)</th>
<th>Odds ratio(^3) (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Pulmonary</td>
<td>0.547</td>
<td>1.728 (1.294-2.309)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>0.604</td>
<td>1.830 (1.394-2.402)</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>0.511</td>
<td>1.667 (1.236-2.250)</td>
</tr>
<tr>
<td>Depression screen indicates need for further evaluation</td>
<td>-0.685</td>
<td>0.504 (0.307-0.828)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>1.407</td>
<td>4.082 (2.907-5.734)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver currently provides</td>
<td>-0.513 (^a)</td>
<td>0.599 (0.400-0.897)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver training/support needed</td>
<td>-0.832 (^a)</td>
<td>0.435 (0.202-0.937)</td>
</tr>
<tr>
<td>Behavioral: Impaired decision making</td>
<td>-0.355 (^a)</td>
<td>0.701 (0.515-0.954)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.485</td>
<td>1.624 (1.167-2.261)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.149 (^c)</td>
<td>1.160 (0.844-1.594)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>0.045 (^c)</td>
<td>1.046 (0.740-1.479)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.704 (^b)</td>
<td>2.022 (0.967-4.229)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.730 (^a)</td>
<td>2.076 (1.028-4.190)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>1.188</td>
<td>3.279 (1.596-6.740)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>1.372</td>
<td>3.944 (1.886-8.245)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.041 (^c)</td>
<td>1.042 (0.658-1.650)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.535</td>
<td>1.708 (1.173-2.488)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>-0.031 (^c)</td>
<td>0.969 (0.597-1.574)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>-0.122 (^c)</td>
<td>0.885 (0.518-1.513)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.343 (^c)</td>
<td>1.409 (0.877-2.264)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: None needed</td>
<td>-0.882</td>
<td>0.414 (0.299-0.572)</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 1</td>
<td>1.436</td>
<td>4.204 (2.829-6.248)</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 2</td>
<td>1.866</td>
<td>6.463 (2.966-14.084)</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 3</td>
<td>0.528</td>
<td>1.696 (0.230-12.510)</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 4 or more</td>
<td>0.626</td>
<td>1.871 (0.441-7.928)</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 1</td>
<td>1.966</td>
<td>7.145 (5.325-9.586)</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 2</td>
<td>2.076</td>
<td>7.971 (5.286-12.018)</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 3</td>
<td>1.633</td>
<td>5.118 (1.946-13.462)</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 4 or more</td>
<td>1.849</td>
<td>6.353 (2.860-14.111)</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 1</td>
<td>2.148</td>
<td>8.567 (6.004-12.225)</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 2</td>
<td>1.981</td>
<td>7.248 (3.378-15.553)</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 3</td>
<td>2.188</td>
<td>8.921 (1.195-66.589)</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 4 or more</td>
<td>2.010</td>
<td>7.462 (1.263-44.090)</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 1</td>
<td>2.297</td>
<td>9.940 (5.547-17.811)</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 2</td>
<td>2.865</td>
<td>17.545 (4.563-67.455)</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 3</td>
<td>3.002</td>
<td>20.125 (3.230-125.391)</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 4 or more</td>
<td>0.701</td>
<td>2.015 (0.189-21.479)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.349</td>
<td>0.705 (0.520-0.958)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>0.259</td>
<td>1.296 (0.641-2.621)</td>
</tr>
<tr>
<td>Constant</td>
<td>-7.386</td>
<td>0.001</td>
</tr>
</tbody>
</table>

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Table 40: Discharged to Community with Unhealed Stage II Pressure Ulcer
(continued)

<table>
<thead>
<tr>
<th>Number of Risk Factors: 39</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Sample C-statistic = 0.948</td>
</tr>
<tr>
<td>Validation Sample C-statistic = 0.947</td>
</tr>
<tr>
<td>Developmental Sample Hosmer-Lemeshow = 724.693</td>
</tr>
<tr>
<td>Validation Sample Hosmer-Lemeshow = 3077.298</td>
</tr>
</tbody>
</table>

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

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- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
### Table 41: Discharged to Community with Behavioral Problems

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Neurologic</td>
<td>0.491 (^a)</td>
<td>1.634</td>
<td>(1.089-2.450)</td>
</tr>
<tr>
<td>Chronic Conditions: Cognitive/mental/behavioral</td>
<td>0.979</td>
<td>2.662</td>
<td>(1.670-4.245)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>0.440 (^a)</td>
<td>1.553</td>
<td>(1.089-2.215)</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver currently provides</td>
<td>-1.036</td>
<td>0.355</td>
<td>(0.228-0.554)</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>-1.050 (^a)</td>
<td>0.350</td>
<td>(0.144-0.848)</td>
</tr>
<tr>
<td>Lives with other person(s) with around the clock assistance</td>
<td>-0.813</td>
<td>0.444</td>
<td>(0.283-0.696)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.424 (^a)</td>
<td>0.655</td>
<td>(0.436-0.983)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-1.449</td>
<td>0.235</td>
<td>(0.127-0.433)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>0.856 (^a)</td>
<td>2.355</td>
<td>(1.132-4.899)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>1.323</td>
<td>3.756</td>
<td>(1.964-7.183)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>0.771 (^a)</td>
<td>2.162</td>
<td>(1.136-4.115)</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>1.336</td>
<td>3.803</td>
<td>(2.394-6.042)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.757 (^a)</td>
<td>2.132</td>
<td>(1.190-3.821)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>1.459</td>
<td>4.303</td>
<td>(2.257-8.205)</td>
</tr>
<tr>
<td>Confused: Constant</td>
<td>1.938</td>
<td>6.948</td>
<td>(2.807-17.197)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.774</td>
<td>2.169</td>
<td>(1.294-3.634)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.101 (^c)</td>
<td>0.904</td>
<td>(0.476-1.715)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>-0.102 (^c)</td>
<td>0.903</td>
<td>(0.576-1.416)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.210 (^c)</td>
<td>1.233</td>
<td>(0.710-2.143)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.514 (^c)</td>
<td>0.598</td>
<td>(0.292-1.227)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.590 (^a)</td>
<td>1.804</td>
<td>(1.117-2.914)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.440</td>
<td>1.553</td>
<td>(0.891-2.705)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>0.389</td>
<td>1.476</td>
<td>(0.541-4.028)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>-0.352</td>
<td>0.703</td>
<td>(0.197-2.512)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>0.350</td>
<td>1.419</td>
<td>(0.938-2.146)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>0.552</td>
<td>1.737</td>
<td>(0.974-3.098)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>0.935</td>
<td>2.548</td>
<td>(1.520-4.269)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: None needed</td>
<td>-1.693</td>
<td>0.184</td>
<td>(0.100-0.337)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>-1.626</td>
<td>0.197</td>
<td>(0.116-0.334)</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver training needed</td>
<td>-1.794</td>
<td>0.166</td>
<td>(0.087-0.319)</td>
</tr>
<tr>
<td>Constant</td>
<td>-5.965</td>
<td>0.003</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 30

- Developmental Sample C-statistic = 0.935
- Developmental Sample Hosmer-Lemeshow = 237.856

- Validation Sample C-statistic = 0.89
- Validation Sample Hosmer-Lemeshow = 847.419
Table 41: Discharged to Community with Behavioral Problems (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   Blank = significant at probability<.01
   a = significant at .01<probability<.05
   b = significant at .05<probability<.10
   c = not significant, probability>.10
### Table 42: Emergent Care for Hypo/Hyperglycemia

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC(^{12})</th>
<th>Coefficient(^{3})</th>
<th>Odds ratio(^{3})</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>-0.150 (^a)</td>
<td>0.860</td>
<td>(0.749-0.988)</td>
</tr>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>1.066</td>
<td>2.905</td>
<td>(2.493-3.385)</td>
</tr>
<tr>
<td>Acute condition: Pulmonary</td>
<td>-0.457</td>
<td>0.633</td>
<td>(0.530-0.758)</td>
</tr>
<tr>
<td>Acute condition: Neurologic</td>
<td>-0.269 (^a)</td>
<td>0.764</td>
<td>(0.622-0.938)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>-0.305</td>
<td>0.737</td>
<td>(0.630-0.864)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>-0.207 (^a)</td>
<td>0.813</td>
<td>(0.687-0.961)</td>
</tr>
<tr>
<td>Start of Care: Further visits planned</td>
<td>-0.270</td>
<td>0.763</td>
<td>(0.650-0.896)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>1.322</td>
<td>3.750</td>
<td>(3.068-4.584)</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>-0.645</td>
<td>0.525</td>
<td>(0.401-0.687)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.307</td>
<td>1.360</td>
<td>(1.113-1.662)</td>
</tr>
<tr>
<td>Medication Assistance: None needed</td>
<td>-0.281</td>
<td>0.755</td>
<td>(0.631-0.903)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.300</td>
<td>1.350</td>
<td>(1.129-1.615)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.023 (^c)</td>
<td>1.023</td>
<td>(0.857-1.222)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.120 (^c)</td>
<td>0.887</td>
<td>(0.707-1.113)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.117 (^c)</td>
<td>1.124</td>
<td>(0.875-1.445)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.302 (^a)</td>
<td>1.352</td>
<td>(1.040-1.758)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.317 (^b)</td>
<td>1.373</td>
<td>(0.975-1.933)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>0.378</td>
<td>1.460</td>
<td>(1.246-1.711)</td>
</tr>
<tr>
<td>Prior Management of Injectable Meds: Not applicable</td>
<td>-0.389</td>
<td>0.677</td>
<td>(0.521-0.882)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.068 (^c)</td>
<td>1.070</td>
<td>(0.839-1.365)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.310</td>
<td>1.363</td>
<td>(1.093-1.699)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.057 (^c)</td>
<td>1.059</td>
<td>(0.795-1.411)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>0.056 (^c)</td>
<td>1.057</td>
<td>(0.721-1.551)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.121 (^c)</td>
<td>1.128</td>
<td>(0.776-1.640)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>0.202 (^a)</td>
<td>1.224</td>
<td>(1.045-1.434)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>-0.201 (^c)</td>
<td>0.818</td>
<td>(0.584-1.144)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>0.157 (^c)</td>
<td>1.169</td>
<td>(0.850-1.609)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>0.253</td>
<td>1.288</td>
<td>(1.113-1.490)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>0.287</td>
<td>1.332</td>
<td>(1.143-1.553)</td>
</tr>
<tr>
<td>Status of Surgical Wound (0-3)</td>
<td>-0.199</td>
<td>0.820</td>
<td>(0.749-0.898)</td>
</tr>
<tr>
<td>Constant</td>
<td>-6.053</td>
<td>0.002</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 30

- **Developmental Sample C-statistic:** 0.857
- **Validation Sample C-statistic:** 0.853
- **Developmental Sample Hosmer-Lemeshow:** 392.176
- **Validation Sample Hosmer-Lemeshow:** 1850.632
### Table 42: Emergent Care for Hypo/Hyperglycemia (continued)

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability < .01
   - a = significant at .01 < probability < .05
   - b = significant at .05 < probability < .10
   - c = not significant, probability > .10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Gastrointestinal disorder</td>
<td>-0.376</td>
<td>0.687</td>
<td>(0.522-0.903)</td>
</tr>
<tr>
<td>Acute Condition: IV Therapies</td>
<td>0.581</td>
<td>1.788</td>
<td>(1.278-2.502)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>0.175</td>
<td>1.192</td>
<td>(0.976-1.455)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>0.336</td>
<td>1.399</td>
<td>(1.130-1.732)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>0.179</td>
<td>1.196</td>
<td>(0.706-2.027)</td>
</tr>
<tr>
<td>Depression screen indicates need for further evaluation</td>
<td>0.342</td>
<td>1.408</td>
<td>(1.110-1.785)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>-0.557</td>
<td>0.573</td>
<td>(0.471-0.697)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>-0.387</td>
<td>0.679</td>
<td>(0.479-0.962)</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>0.326</td>
<td>1.385</td>
<td>(1.085-1.767)</td>
</tr>
<tr>
<td>Medication Assistance: None needed</td>
<td>-0.301</td>
<td>0.740</td>
<td>(0.602-0.909)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.324</td>
<td>0.723</td>
<td>(0.583-0.897)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-0.524</td>
<td>0.592</td>
<td>(0.461-0.760)</td>
</tr>
<tr>
<td>Drug Regimen Review: Problems found</td>
<td>0.347</td>
<td>1.415</td>
<td>(1.183-1.694)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>0.476</td>
<td>1.610</td>
<td>(1.165-2.227)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>0.131</td>
<td>1.140</td>
<td>(0.787-1.652)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>0.278</td>
<td>1.321</td>
<td>(0.921-1.894)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.051</td>
<td>0.950</td>
<td>(0.788-1.147)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.408</td>
<td>0.665</td>
<td>(0.390-1.134)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-1.420</td>
<td>0.242</td>
<td>(0.059-0.982)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Intractable pain</td>
<td>0.451</td>
<td>1.570</td>
<td>(1.284-1.921)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>0.337</td>
<td>1.400</td>
<td>(1.101-1.780)</td>
</tr>
<tr>
<td>Payment Source: All Medicare</td>
<td>-0.486</td>
<td>0.615</td>
<td>(0.471-0.803)</td>
</tr>
<tr>
<td>Risk Factors: Alcohol dependency</td>
<td>-0.869</td>
<td>0.419</td>
<td>(0.221-0.795)</td>
</tr>
<tr>
<td>Risk Factors: Drug dependency</td>
<td>0.831</td>
<td>2.295</td>
<td>(1.521-3.464)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>0.262</td>
<td>1.299</td>
<td>(1.083-1.558)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>0.423</td>
<td>1.526</td>
<td>(1.237-1.883)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>-0.354</td>
<td>0.702</td>
<td>(0.564-0.874)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>-0.187</td>
<td>0.829</td>
<td>(0.426-1.614)</td>
</tr>
<tr>
<td>Constant</td>
<td>-5.242</td>
<td>0.005</td>
<td></td>
</tr>
</tbody>
</table>

Number of Risk Factors: 28

Developmental Sample C-statistic = 0.684   Validation Sample C-statistic = 0.656
Developmental Sample Hosmer-Lemeshow = 91.707  Validation Sample Hosmer-Lemeshow = 325.385

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.
² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.
³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   Blank = significant at probability<.01
   a = significant at .01<probability<.05
   b = significant at .05<probability<.10
   c = not significant, probability>.10
Table 44: Emergent Care for Injury Caused by Fall

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Gastrointestinal disorder</td>
<td>-0.162 a</td>
<td>0.851</td>
<td>(0.743-0.974)</td>
</tr>
<tr>
<td>Chronic Conditions: Urinary incontinence or catheter</td>
<td>0.205</td>
<td>1.227</td>
<td>(1.127-1.336)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>0.236</td>
<td>1.266</td>
<td>(1.146-1.398)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>0.188</td>
<td>1.206</td>
<td>(1.097-1.326)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>0.261</td>
<td>1.298</td>
<td>(1.129-1.491)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Other injury</td>
<td>0.325</td>
<td>1.385</td>
<td>(1.173-1.634)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>0.176</td>
<td>1.192</td>
<td>(1.077-1.319)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>0.124 a</td>
<td>1.132</td>
<td>(1.027-1.247)</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>0.010 c</td>
<td>1.101</td>
<td>(0.927-1.102)</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>0.324 a</td>
<td>1.382</td>
<td>(1.069-1.787)</td>
</tr>
<tr>
<td>Lives with other person(s) with around the clock assistance</td>
<td>-0.731</td>
<td>0.472</td>
<td>(0.278-0.798)</td>
</tr>
<tr>
<td>Lives with other person(s) with regular daytime assistance</td>
<td>-0.443</td>
<td>0.642</td>
<td>(0.467-0.883)</td>
</tr>
<tr>
<td>Lives with other person(s) with regular nighttime assistance</td>
<td>-0.407</td>
<td>0.666</td>
<td>(0.527-0.841)</td>
</tr>
<tr>
<td>Lives with other person(s) with occasional/short term assistance</td>
<td>-0.303 a</td>
<td>0.739</td>
<td>(0.556-0.981)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>-0.057 c</td>
<td>0.945</td>
<td>(0.811-1.100)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.140 a</td>
<td>1.150</td>
<td>(1.026-1.289)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.208 c</td>
<td>1.232</td>
<td>(0.959-1.582)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.667</td>
<td>1.949</td>
<td>(1.544-2.460)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.690</td>
<td>1.995</td>
<td>(1.554-2.560)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>0.421</td>
<td>1.524</td>
<td>(1.143-2.032)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>0.181 a</td>
<td>1.198</td>
<td>(1.026-1.400)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>0.083 c</td>
<td>1.087</td>
<td>(0.924-1.279)</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>-0.110 c</td>
<td>0.896</td>
<td>(0.735-1.091)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.174</td>
<td>1.190</td>
<td>(1.082-1.310)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>0.215</td>
<td>1.240</td>
<td>(1.087-1.414)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>0.361</td>
<td>1.435</td>
<td>(1.126-1.829)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.132</td>
<td>0.876</td>
<td>(0.801-0.958)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>-0.376</td>
<td>0.687</td>
<td>(0.531-0.888)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.292 c</td>
<td>0.747</td>
<td>(0.457-1.221)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>-0.097 b</td>
<td>0.908</td>
<td>(0.820-1.005)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>-0.260</td>
<td>0.771</td>
<td>(0.650-0.915)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-0.389</td>
<td>0.678</td>
<td>(0.535-0.860)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>0.066 c</td>
<td>1.068</td>
<td>(0.944-1.208)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.206</td>
<td>1.229</td>
<td>(1.076-1.404)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.146 c</td>
<td>1.157</td>
<td>(0.944-1.417)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>0.230</td>
<td>1.259</td>
<td>(1.142-1.387)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>0.300</td>
<td>1.350</td>
<td>(1.133-1.608)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>0.339</td>
<td>1.404</td>
<td>(1.166-1.690)</td>
</tr>
</tbody>
</table>
### Table 44: Emergent Care for Injury Caused by Fall (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistance with Medical treatments: Needs training/support</td>
<td>-0.183 a</td>
<td>0.833 (0.704-0.985)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>0.156</td>
<td>1.168 (1.074-1.271)</td>
</tr>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>0.615</td>
<td>1.849 (1.700-2.011)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.050 c</td>
<td>0.951 (0.766-1.181)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>-0.574</td>
<td>0.564 (0.468-0.679)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>-0.420</td>
<td>0.657 (0.499-0.865)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>-0.327 c</td>
<td>0.721 (0.177-2.930)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>0.035 c</td>
<td>1.036 (0.642-1.762)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>0.553</td>
<td>1.738 (1.270-2.379)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>0.085 c</td>
<td>1.089 (0.946-1.253)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>-0.003 c</td>
<td>0.997 (0.898-1.108)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>0.208</td>
<td>1.232 (1.099-1.380)</td>
</tr>
<tr>
<td>Constant</td>
<td>-5.576</td>
<td>0.004</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 52

Developmental Sample C-statistic = 0.710  Validation Sample C-statistic = 0.707

Developmental Sample Hosmer-Lemeshow = 265.885  Validation Sample Hosmer-Lemeshow = 1032.659

---

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 45: Emergent Care for Wound Infection, Deteriorating Wound Status

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/peripheral vascular</td>
<td>-0.185</td>
<td>0.831</td>
<td>(0.740-0.934)</td>
</tr>
<tr>
<td>Acute condition: Contagious/communicable disease</td>
<td>0.227 a</td>
<td>1.254</td>
<td>(1.026-1.534)</td>
</tr>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>0.400</td>
<td>1.492</td>
<td>(1.305-1.705)</td>
</tr>
<tr>
<td>Acute condition: Pulmonary</td>
<td>-0.590</td>
<td>0.554</td>
<td>(0.463-0.663)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>-0.242</td>
<td>0.785</td>
<td>(0.690-0.894)</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>0.284</td>
<td>1.328</td>
<td>(1.151-1.533)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.207 c</td>
<td>0.813</td>
<td>(0.608-1.088)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.044 c</td>
<td>0.957</td>
<td>(0.738-1.241)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.063 c</td>
<td>1.065</td>
<td>(0.822-1.379)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or on commode</td>
<td>0.250 b</td>
<td>1.284</td>
<td>(0.981-1.679)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.236 b</td>
<td>1.266</td>
<td>(0.970-1.651)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>0.425</td>
<td>1.530</td>
<td>(1.129-2.075)</td>
</tr>
<tr>
<td>Start of Care:Further visits planned</td>
<td>-0.378</td>
<td>0.685</td>
<td>(0.604-0.777)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Iatrogenic conditions</td>
<td>0.480</td>
<td>1.616</td>
<td>(1.370-1.905)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Other injury</td>
<td>0.395</td>
<td>1.484</td>
<td>(1.228-1.794)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>0.837</td>
<td>2.309</td>
<td>(2.016-2.644)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>-0.335</td>
<td>0.716</td>
<td>(0.574-0.892)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.442</td>
<td>1.555</td>
<td>(1.360-1.778)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>-0.134 b</td>
<td>0.874</td>
<td>(0.757-1.010)</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>-0.199 a</td>
<td>0.819</td>
<td>(0.690-0.973)</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>-0.239</td>
<td>0.787</td>
<td>(0.691-0.898)</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>-0.313</td>
<td>0.731</td>
<td>(0.609-0.878)</td>
</tr>
<tr>
<td>Management of Oral Meds: Unable</td>
<td>-0.444</td>
<td>0.641</td>
<td>(0.539-0.764)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.228 a</td>
<td>1.255</td>
<td>(1.020-1.546)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>-0.058 c</td>
<td>0.944</td>
<td>(0.746-1.195)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.345</td>
<td>1.412</td>
<td>(1.215-1.642)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>0.426</td>
<td>1.532</td>
<td>(1.274-1.842)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: None needed</td>
<td>-1.043</td>
<td>0.352</td>
<td>(0.297-0.419)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Caregiver provides</td>
<td>-0.195</td>
<td>0.823</td>
<td>(0.720-0.940)</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Uncertain/unlikely</td>
<td>0.185 a</td>
<td>1.204</td>
<td>(1.018-1.422)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>0.226</td>
<td>1.254</td>
<td>(1.109-1.417)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage III or IV</td>
<td>0.579</td>
<td>1.785</td>
<td>(1.465-2.173)</td>
</tr>
<tr>
<td>Pressure Ulcer: Unstageable ulcer(s) present</td>
<td>0.437</td>
<td>1.549</td>
<td>(1.227-1.955)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>0.402</td>
<td>1.494</td>
<td>(1.334-1.673)</td>
</tr>
<tr>
<td>Status of Surgical Wound (0-3)</td>
<td>0.339</td>
<td>1.404</td>
<td>(1.335-1.476)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer (0-3)</td>
<td>0.319</td>
<td>1.375</td>
<td>(1.280-1.478)</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>-0.152 b</td>
<td>0.859</td>
<td>(0.716-1.030)</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>-0.178</td>
<td>0.837</td>
<td>(0.732-0.956)</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>-0.249</td>
<td>0.779</td>
<td>(0.655-0.927)</td>
</tr>
<tr>
<td>Skin Lesion or Open Wound</td>
<td>0.380</td>
<td>1.463</td>
<td>(1.312-1.631)</td>
</tr>
</tbody>
</table>
Table 45: Emergent Care for Wound Infection, Deteriorating Wound Status (continued)

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³ (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constant</td>
<td>-4.983</td>
<td>0.007</td>
</tr>
</tbody>
</table>

Number of Risk Factors: 40

Developmental Sample C-statistic = 0.867  Validation Sample C-statistic = 0.850
Developmental Sample Hosmer-Lemeshow = 1210.119  Validation Sample Hosmer-Lemeshow = 4570.608

¹ SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

² Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

³ Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:

- Blank = significant at probability<.01
- a = significant at .01<probability<.05
- b = significant at .05<probability<.10
- c = not significant, probability>.10
### Table 46: Increase in Pressure Ulcers

**Submodel 1: No Pressure Ulcers Present at SOC/ROC**

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>0.793</td>
<td>2.210</td>
<td>(1.631-2.994)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>0.189 c</td>
<td>1.208</td>
<td>(0.537-2.717)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>0.136 c</td>
<td>1.146</td>
<td>(0.518-2.533)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>0.346 c</td>
<td>1.413</td>
<td>(0.637-3.133)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>0.474 c</td>
<td>1.607</td>
<td>(0.712-3.628)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>0.373 c</td>
<td>1.452</td>
<td>(0.640-3.296)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>0.924 a</td>
<td>2.520</td>
<td>(1.071-5.925)</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>-0.575</td>
<td>0.563</td>
<td>(0.445-0.711)</td>
</tr>
<tr>
<td>Management of Equipment: None needed</td>
<td>-0.283</td>
<td>0.754</td>
<td>(0.610-0.931)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>0.437</td>
<td>1.548</td>
<td>(1.120-2.141)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>1.172</td>
<td>3.228</td>
<td>(2.457-4.242)</td>
</tr>
<tr>
<td>Receiving intravenous or infusion therapy</td>
<td>0.602</td>
<td>1.826</td>
<td>(1.217-2.740)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>0.458 c</td>
<td>1.581</td>
<td>(0.807-3.098)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.575 b</td>
<td>1.778</td>
<td>(0.939-3.366)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>0.735 a</td>
<td>2.086</td>
<td>(1.071-4.064)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>1.346</td>
<td>3.842</td>
<td>(1.942-7.602)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.143 c</td>
<td>0.866</td>
<td>(0.628-1.195)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.173 c</td>
<td>1.188</td>
<td>(0.853-1.655)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>0.721</td>
<td>2.057</td>
<td>(1.377-3.075)</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>0.811</td>
<td>2.251</td>
<td>(1.548-3.273)</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>0.886</td>
<td>2.426</td>
<td>(1.901-3.095)</td>
</tr>
<tr>
<td>Risk Factors: Smoking</td>
<td>0.379</td>
<td>1.461</td>
<td>(1.112-1.919)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>1.566</td>
<td>4.789</td>
<td>(1.465-15.656)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>0.576 b</td>
<td>1.778</td>
<td>(0.932-3.394)</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>0.205 c</td>
<td>1.227</td>
<td>(0.686-2.195)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.549</td>
<td>0.577</td>
<td>(0.396-0.841)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>0.193 c</td>
<td>1.212</td>
<td>(0.834-1.763)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>0.274 c</td>
<td>1.316</td>
<td>(0.812-2.131)</td>
</tr>
<tr>
<td>Constant</td>
<td>-7.006</td>
<td>0.001</td>
<td></td>
</tr>
</tbody>
</table>
### Table 46: Increase in Pressure Ulcers (continued)

#### Submodel 2: Unstageable or Stage II Pressure Ulcers present

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt; (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior Management of Injectable Meds: Needed assistance</td>
<td>-1.233</td>
<td>0.291 (0.130-0.652)</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>0.199&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.220 (0.435-3.420)</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>1.807&lt;sup&gt;a&lt;/sup&gt;</td>
<td>6.092 (1.454-25.518)</td>
</tr>
<tr>
<td>Constant</td>
<td>-4.114</td>
<td>0.016</td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 4

#### Submodel 3: Stage III or IV Pressure Ulcers Present

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC&lt;sup&gt;1,2&lt;/sup&gt;</th>
<th>Coefficient&lt;sup&gt;3&lt;/sup&gt;</th>
<th>Odds ratio&lt;sup&gt;3&lt;/sup&gt; (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Care Diagnosis: Blood diseases</td>
<td>1.979</td>
<td>7.234 (1.830-28.597)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>-1.040</td>
<td>0.353 (0.179-0.697)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>-0.716&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.489 (0.187-1.280)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>-1.555</td>
<td>0.211 (0.076-0.587)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>-1.244</td>
<td>0.288 (0.117-0.713)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>0.073&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.076 (0.409-2.829)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>0.765&lt;sup&gt;c&lt;/sup&gt;</td>
<td>2.149 (0.732-6.312)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.605&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.831 (0.602-5.568)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>2.450</td>
<td>11.587 (3.694-36.350)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>2.169</td>
<td>8.752 (3.025-25.320)</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>0.846&lt;sup&gt;c&lt;/sup&gt;</td>
<td>2.331 (0.765-7.102)</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>0.383&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.467 (0.423-5.088)</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>0.482&lt;sup&gt;c&lt;/sup&gt;</td>
<td>1.620 (0.717-3.661)</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>1.088&lt;sup&gt;a&lt;/sup&gt;</td>
<td>2.969 (1.180-7.470)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>-0.068&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.935 (0.327-2.670)</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>0.842&lt;sup&gt;c&lt;/sup&gt;</td>
<td>2.322 (0.241-22.393)</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>-3.089&lt;sup&gt;a&lt;/sup&gt;</td>
<td>0.046 (0.003-0.744)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>1.264&lt;sup&gt;a&lt;/sup&gt;</td>
<td>3.538 (1.252-10.000)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>-0.054&lt;sup&gt;c&lt;/sup&gt;</td>
<td>0.947 (0.081-11.081)</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>1.944&lt;sup&gt;b&lt;/sup&gt;</td>
<td>6.985 (0.834-58.520)</td>
</tr>
<tr>
<td>Constant</td>
<td>-3.464</td>
<td>0.031</td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 20

**Number of Unique Risk Factors Across All Models Components:** 52

Overall model developmental sample C-statistic = 0.871
Overall model validation sample C-statistic = 0.840
Overall model development sample Hosmer-Lemeshow = 55.030
Overall model validation sample Hosmer-Lemeshow = 418.676
Table 46: Increase in Pressure Ulcers (continued)

1 SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2 Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3 Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>-0.397</td>
<td>0.672</td>
<td>(0.500-0.903)</td>
</tr>
<tr>
<td>Acute condition: Pulmonary</td>
<td>0.192</td>
<td>1.212</td>
<td>(1.006-1.460)</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>-0.335</td>
<td>0.715</td>
<td>(0.587-0.872)</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>-0.562 a</td>
<td>0.570</td>
<td>(0.368-0.883)</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>-0.946</td>
<td>0.388</td>
<td>(0.252-0.599)</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>-0.997</td>
<td>0.369</td>
<td>(0.236-0.577)</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>-1.136</td>
<td>0.321</td>
<td>(0.190-0.542)</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>-1.476</td>
<td>0.229</td>
<td>(0.138-0.378)</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>-1.506</td>
<td>0.222</td>
<td>(0.126-0.391)</td>
</tr>
<tr>
<td>Chronic Conditions: Urinary incontinence or catheter</td>
<td>0.221 a</td>
<td>1.247</td>
<td>(1.045-1.488)</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>0.340</td>
<td>1.405</td>
<td>(1.108-1.783)</td>
</tr>
<tr>
<td>Management of Equipment: None needed</td>
<td>-0.209 a</td>
<td>0.811</td>
<td>(0.679-0.969)</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>-0.415</td>
<td>0.660</td>
<td>(0.486-0.896)</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>-0.648</td>
<td>0.523</td>
<td>(0.368-0.743)</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>-0.508 b</td>
<td>0.602</td>
<td>(0.360-1.006)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>-0.359</td>
<td>0.698</td>
<td>(0.589-0.828)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>1.255</td>
<td>3.508</td>
<td>(2.869-4.289)</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>-0.941</td>
<td>0.390</td>
<td>(0.219-0.696)</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>0.382</td>
<td>1.465</td>
<td>(1.168-1.837)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.235 c</td>
<td>1.264</td>
<td>(0.919-1.739)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.687</td>
<td>1.987</td>
<td>(1.409-2.802)</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>-0.229</td>
<td>0.795</td>
<td>(0.648-0.976)</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>0.105</td>
<td>1.111</td>
<td>(0.757-1.629)</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>-0.751</td>
<td>0.472</td>
<td>(0.237-0.942)</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>0.286</td>
<td>1.331</td>
<td>(1.011-1.750)</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>0.431</td>
<td>1.538</td>
<td>(1.076-2.199)</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>-1.112</td>
<td>0.329</td>
<td>(0.181-0.597)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.232</td>
<td>0.793</td>
<td>(0.590-1.066)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.471</td>
<td>1.601</td>
<td>(1.199-2.138)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>1.145</td>
<td>3.142</td>
<td>(2.261-4.366)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>0.302</td>
<td>1.353</td>
<td>(0.984-1.860)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.280</td>
<td>1.323</td>
<td>(0.989-1.770)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.498</td>
<td>1.645</td>
<td>(1.242-2.179)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>0.829</td>
<td>2.291</td>
<td>(1.635-3.210)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.658</td>
<td>1.931</td>
<td>(1.344-2.776)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage II ulcer(s) present</td>
<td>0.609</td>
<td>1.838</td>
<td>(1.339-2.524)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage III ulcer(s) present</td>
<td>0.240</td>
<td>1.272</td>
<td>(0.594-2.721)</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage IV ulcer(s) present</td>
<td>0.676</td>
<td>1.965</td>
<td>(0.713-5.415)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>-0.356</td>
<td>0.700</td>
<td>(0.430-1.141)</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/ partial granulation</td>
<td>-1.005</td>
<td>0.366</td>
<td>(0.237-0.565)</td>
</tr>
</tbody>
</table>
### Table 47: Substantial Decline in 3 or more ADLs (continued)

<table>
<thead>
<tr>
<th>Risk FactorMeasured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>-1.432</td>
<td>0.239</td>
<td>(0.106-0.537)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>-0.366</td>
<td>0.694</td>
<td>(0.520-0.925)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>-0.448</td>
<td>0.639</td>
<td>(0.461-0.886)</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>-0.047</td>
<td>0.954</td>
<td>(0.604-1.506)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs supplies laid out</td>
<td>0.271</td>
<td>1.312</td>
<td>(0.912-1.888)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>0.923</td>
<td>2.517</td>
<td>(1.689-3.750)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>1.307</td>
<td>3.694</td>
<td>(2.138-6.384)</td>
</tr>
<tr>
<td>Constant</td>
<td>-6.017</td>
<td>0.002</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Risk Factors:** 47

Developmental Sample C-statistic = 0.828  
Developmental Sample Hosmer-Lemeshow = 483.499

Validation Sample C-statistic = 0.798  
Validation Sample Hosmer-Lemeshow = 1619.902

---

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
Table 48: Substantial Decline in Management of Oral Medications

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC¹,²</th>
<th>Coefficient³</th>
<th>Odds ratio³</th>
<th>(95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Neurologic</td>
<td>0.543</td>
<td>1.721</td>
<td>(1.194-2.481)</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>-0.333 b</td>
<td>0.717</td>
<td>(0.511-1.007)</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>-0.577 a</td>
<td>0.561</td>
<td>(0.361-0.873)</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>-0.415 c</td>
<td>0.660</td>
<td>(0.217-2.013)</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>0.982</td>
<td>2.670</td>
<td>(1.818-3.922)</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>0.416 a</td>
<td>1.515</td>
<td>(1.074-2.138)</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>0.913</td>
<td>2.492</td>
<td>(1.659-3.742)</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>0.036 c</td>
<td>1.037</td>
<td>(0.651-1.651)</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>0.350 b</td>
<td>1.419</td>
<td>(0.952-2.116)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>-0.066 c</td>
<td>0.937</td>
<td>(0.555-1.580)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>0.252 c</td>
<td>1.286</td>
<td>(0.805-2.055)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>-0.027 c</td>
<td>0.973</td>
<td>(0.546-1.734)</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>0.671 a</td>
<td>1.956</td>
<td>(1.019-3.755)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>0.281 c</td>
<td>1.325</td>
<td>(0.879-1.998)</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>0.915 a</td>
<td>2.497</td>
<td>(1.224-5.093)</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>1.469 b</td>
<td>4.346</td>
<td>(0.808-23.362)</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>0.385 a</td>
<td>1.469</td>
<td>(1.027-2.103)</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>1.215</td>
<td>3.369</td>
<td>(1.741-6.519)</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>-0.168 c</td>
<td>0.845</td>
<td>(0.094-7.642)</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>0.069</td>
<td>1.071</td>
<td>(0.731-1.571)</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>0.910 a</td>
<td>2.484</td>
<td>(1.209-5.102)</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>0.289 c</td>
<td>1.335</td>
<td>(0.364-4.898)</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>-0.267 c</td>
<td>0.766</td>
<td>(0.544-1.079)</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>0.312 c</td>
<td>1.366</td>
<td>(0.925-2.018)</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>1.546</td>
<td>4.691</td>
<td>(2.811-7.827)</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>1.07</td>
<td>2.916</td>
<td>(2.228-3.817)</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>-0.055 c</td>
<td>0.946</td>
<td>(0.511-1.754)</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>0.515 c</td>
<td>1.674</td>
<td>(0.863-3.247)</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>0.219 c</td>
<td>1.244</td>
<td>(0.533-2.906)</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>1.595</td>
<td>4.928</td>
<td>(1.718-14.137)</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>0.802 c</td>
<td>2.231</td>
<td>(0.709-7.018)</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>-0.346 a</td>
<td>0.707</td>
<td>(0.532-0.941)</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>-1.141</td>
<td>0.319</td>
<td>(0.218-0.468)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>-0.264 c</td>
<td>0.768</td>
<td>(0.542-1.088)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>0.440 a</td>
<td>1.553</td>
<td>(1.065-2.264)</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>1.065</td>
<td>2.901</td>
<td>(1.330-6.325)</td>
</tr>
<tr>
<td>Constant</td>
<td>-6.364</td>
<td>0.002</td>
<td></td>
</tr>
</tbody>
</table>
Table 48: Substantial Decline in Management of Oral Medications (continued)

<table>
<thead>
<tr>
<th>Number of Risk Factors: 37</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developmental Sample C-statistic = 0.837</td>
</tr>
<tr>
<td>Developmental Sample Hosmer-Lemeshow = 0.837</td>
</tr>
</tbody>
</table>

1. SOC = Start of Care, ROC = Resumption of Care after inpatient stay. Risk factors values are based on SOC/ROC assessment values for the episode of care.

2. Most risk factors take on the values 0 and 1; 1 denotes the presence of the attribute and 0 denotes its absence. In virtually all cases, each response option for an OASIS item is a risk factor. In a small number of cases (e.g., number of pressure ulcers at Stage III), the actual number provided in the assessment is used.

3. Because all response option values for an OASIS item are included as risk factors in a model even if only one option value is statistically significant, the following superscripts are used to denote the statistical significance for each risk factor coefficient:
   - Blank = significant at probability<.01
   - a = significant at .01<probability<.05
   - b = significant at .05<probability<.10
   - c = not significant, probability>.10
### Appendix: Risk Factors to OASIS Item Crosswalk

<table>
<thead>
<tr>
<th>Risk Factor Measured at SOC/ROC</th>
<th>OASIS Item</th>
<th>Response No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute condition: Cardiac/Peripheral vascular</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_CARDIO</td>
</tr>
<tr>
<td>Acute condition: Contagious/Communicable disease</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_CONTAGIOUS</td>
</tr>
<tr>
<td>Acute condition: Diabetes mellitus</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_DIABETES</td>
</tr>
<tr>
<td>Acute condition: Enteral/Parenteral nutrition</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_ENT_PAR_NUTRI</td>
</tr>
<tr>
<td>Acute condition: Gastrointestinal disorder</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_GI</td>
</tr>
<tr>
<td>Acute condition: Urinary incontinence</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_INCONT</td>
</tr>
<tr>
<td>Acute condition: IV Therapies</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_IV</td>
</tr>
<tr>
<td>Acute condition: Pulmonary</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_LUNG</td>
</tr>
<tr>
<td>Acute condition: Neurologic</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_NEURO</td>
</tr>
<tr>
<td>Acute condition: Oxygen therapy</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_O2</td>
</tr>
<tr>
<td>Acute condition: Orthopedic</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_ORTHOPEDIC</td>
</tr>
<tr>
<td>Acute condition: Mental/Emotional</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_PSYCH</td>
</tr>
<tr>
<td>Acute condition: Open wound/lesion</td>
<td>M1010, M1016</td>
<td>see specs for ACUTE_WOUND</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver provides</td>
<td>M2100a</td>
<td>response 1</td>
</tr>
<tr>
<td>ADL Assistance: Uncertain/unlikely to be provided</td>
<td>M2100a</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>ADL Assistance: Caregiver training/support needed</td>
<td>M2100a</td>
<td>response 2</td>
</tr>
<tr>
<td>ADL Assistance: None needed</td>
<td>M2100a</td>
<td>response 0</td>
</tr>
<tr>
<td>Advocacy Assistance: None Needed</td>
<td>M2100g</td>
<td>response 0</td>
</tr>
<tr>
<td>Advocacy Assistance: Uncertain/unlikely to be provided</td>
<td>M2100a</td>
<td>response 6</td>
</tr>
<tr>
<td>Advocacy Assistance: Caregiver training/support needed</td>
<td>M2100g</td>
<td>response 2</td>
</tr>
<tr>
<td>Behavioral: Physical aggression to self/others</td>
<td>M1740</td>
<td>response 4</td>
</tr>
<tr>
<td>Anxiety: None of the time</td>
<td>M1720</td>
<td>response 0</td>
</tr>
<tr>
<td>Anxiety: Less often than daily</td>
<td>M1720</td>
<td>response 1</td>
</tr>
<tr>
<td>Anxiety: Daily, but not constantly</td>
<td>M1720</td>
<td>response 2</td>
</tr>
<tr>
<td>Anxiety: All of the time</td>
<td>M1720</td>
<td>response 3</td>
</tr>
<tr>
<td>Bathing: Independently in shower/tub</td>
<td>M1830</td>
<td>response 0</td>
</tr>
<tr>
<td>Bathing: With the use of devices in shower/tub</td>
<td>M1830</td>
<td>response 1</td>
</tr>
<tr>
<td>Bathing: With intermittent assistance in shower/tub</td>
<td>M1830</td>
<td>response 2</td>
</tr>
<tr>
<td>Bathing: Participates with supervision in shower/tub</td>
<td>M1830</td>
<td>response 3</td>
</tr>
<tr>
<td>Bathing: Independent at sink, in chair, or on commode</td>
<td>M1830</td>
<td>response 4</td>
</tr>
<tr>
<td>Bathing: Participates with assist at sink, in chair, or commode</td>
<td>M1830</td>
<td>response 5</td>
</tr>
<tr>
<td>Bathing: Unable to participate; bathed totally by another</td>
<td>M1830</td>
<td>response 6</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times each month</td>
<td>M1745</td>
<td>response 3</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>M1745</td>
<td>response 4</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: 1-3 times a week</td>
<td>M1620</td>
<td>response 2</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: 4-6 times a week or more</td>
<td>M1620</td>
<td>response 3</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: On a daily basis</td>
<td>M1620</td>
<td>response 4</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: More often than once daily</td>
<td>M1620</td>
<td>response 5</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: At least daily</td>
<td>M2110</td>
<td>response 1</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Three or more times per week</td>
<td>M2110</td>
<td>response 2</td>
</tr>
<tr>
<td>Frequency of ADL/IADL Assistance: One or two times per week</td>
<td>M2110</td>
<td>response 3</td>
</tr>
<tr>
<td>Frequency of ADL /IADL Assistance: Received less than weekly</td>
<td>M2110</td>
<td>response 4</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic patient with caregiver</td>
<td>M1100 and others</td>
<td>see specs for CHRONIC_ANY_W_CG</td>
</tr>
<tr>
<td>Chronic Conditions: Urinary incontinence or catheter</td>
<td>M1610, M1018, M1000, M1016</td>
<td>see specs for CHRONIC_INCONT_CATH</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in living skills</td>
<td>M1000, M1016, M1880, M1890, M1900</td>
<td>see specs for CHRONIC_LIV_SKILL</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in medication administration</td>
<td>M1000, M1016, M2020, M2030, M2040,</td>
<td>see specs for CHRONIC_MED_ADMIN</td>
</tr>
<tr>
<td>Chronic Conditions: Cognitive/mental/behaviorian</td>
<td>M1000, M1016, M1018, M1740</td>
<td>see specs for CHRONIC_MENT_BEHAV</td>
</tr>
<tr>
<td>Chronic Conditions: Impaired ambulation/mobility</td>
<td>M1000, M1016, M1840, M1860, M1900</td>
<td>see specs for CHRONIC_MOBILITY</td>
</tr>
<tr>
<td>Chronic Conditions: Chronic Pain</td>
<td>M1000, M1016, M1242, M1018</td>
<td>see specs for CHRONIC_PAIN</td>
</tr>
<tr>
<td>Chronic Conditions: Dependence in personal care</td>
<td>M1000, M1016, M1800-M1845, M1900</td>
<td>see specs for CHRONIC_PERS_CARE</td>
</tr>
<tr>
<td>Cognitive Functioning: Alert and focused</td>
<td>M1700</td>
<td>response 0</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>M1700</td>
<td>response 1</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>M1700</td>
<td>response 2</td>
</tr>
<tr>
<td>Confusion: In new or complex situations only</td>
<td>M1710</td>
<td>response 1</td>
</tr>
<tr>
<td>Confusion: On awakening or at night only</td>
<td>M1710</td>
<td>response 2</td>
</tr>
<tr>
<td>Confusion: During the day and evening, but not constantly</td>
<td>M1710</td>
<td>response 3</td>
</tr>
<tr>
<td>Behavioral: Delusions or hallucinations</td>
<td>M1740</td>
<td>response 6</td>
</tr>
<tr>
<td>Depression screen indicates need for further evaluation</td>
<td>M1730</td>
<td>see specs for DEPRESSION</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>M1400</td>
<td>response 2</td>
</tr>
<tr>
<td>Dyspnea: Minimal exertion</td>
<td>M1400</td>
<td>response 3</td>
</tr>
<tr>
<td>Dyspnea: At rest</td>
<td>M1400</td>
<td>response 4</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>M1870</td>
<td>response 2</td>
</tr>
<tr>
<td>Eating: Receives nutrients orally and through tube</td>
<td>M1870</td>
<td>response 3</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Eating: Only receives nutrients through tube</td>
<td>M1870</td>
<td>response 4</td>
</tr>
<tr>
<td>Eating: Receives nutrients orally and through tube</td>
<td>M1870</td>
<td>response 3</td>
</tr>
<tr>
<td>Eating: Only receives nutrients through tube</td>
<td>M1870</td>
<td>response 4</td>
</tr>
<tr>
<td>Eating: Unable to take nutrients orally or by tube</td>
<td>M1870</td>
<td>response 5</td>
</tr>
<tr>
<td>Start of Care-Further visits planned</td>
<td>M0100</td>
<td>response 1</td>
</tr>
<tr>
<td>Management of Equipment: None needed</td>
<td>M2100e</td>
<td>response 0</td>
</tr>
<tr>
<td>Management of Equipment: Caregiver currently provides</td>
<td>M2100e</td>
<td>response 1</td>
</tr>
<tr>
<td>Assessment indicates risk for falls</td>
<td>M1910</td>
<td>response 2</td>
</tr>
<tr>
<td>Patient is male</td>
<td>M0069</td>
<td>response 1</td>
</tr>
<tr>
<td>Grooming: Able to groom self unaided</td>
<td>M1800</td>
<td>response 0</td>
</tr>
<tr>
<td>Grooming: Grooming utensils must be placed within reach</td>
<td>M1800</td>
<td>response 1</td>
</tr>
<tr>
<td>Grooming: Assistance needed</td>
<td>M1800</td>
<td>response 2</td>
</tr>
<tr>
<td>Grooming: Entirely dependent upon someone else</td>
<td>M1800</td>
<td>response 3</td>
</tr>
<tr>
<td>Home Care Diagnosis: Blood diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_BLOOD</td>
</tr>
<tr>
<td>Home Care Diagnosis: Circulatory system diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_CIRCULATORY</td>
</tr>
<tr>
<td>Home Care Diagnosis: Intracranial injury</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_CRANIAL</td>
</tr>
<tr>
<td>Home Care Diagnosis: Digestive system diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_DIGESTIVE</td>
</tr>
<tr>
<td>Home Care Diagnosis: Endocrine/nutritional/metabolic</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_ENDOCRINE</td>
</tr>
<tr>
<td>Home Care Diagnosis: Fractures</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_FRACTURE</td>
</tr>
<tr>
<td>Home Care Diagnosis: Genitourinary system diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_GEN_URINARY</td>
</tr>
<tr>
<td>Home Care Diagnosis: Iatrogenic conditions</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_IATROGENIC</td>
</tr>
<tr>
<td>Home Care Diagnosis: Ill-defined conditions</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_ILL_DEFINED</td>
</tr>
<tr>
<td>Home Care Diagnosis: Other injury</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_INJURY_OTH</td>
</tr>
<tr>
<td>Home Care Diagnosis: Mental diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_MENTAL</td>
</tr>
<tr>
<td>Home Care Diagnosis: Musculoskeletal system diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_MUSCL_SKEL</td>
</tr>
<tr>
<td>Home Care Diagnosis: Neoplasms</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_NEOPLASM</td>
</tr>
<tr>
<td>Home Care Diagnosis: Nervous system diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_NERVOUS</td>
</tr>
<tr>
<td>Home Care Diagnosis: Respiratory system diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_RESPIRATORY</td>
</tr>
<tr>
<td>Home Care Diagnosis: Skin/subcutaneous diseases</td>
<td>M1020, M1022, M1024</td>
<td>see specs for HC_DX_SKIN</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Hearing: Mildly to moderately impaired</td>
<td>M1210</td>
<td>response 1</td>
</tr>
<tr>
<td>Hearing: Severely impaired</td>
<td>M1210</td>
<td>response 2</td>
</tr>
<tr>
<td>IADL Assistance: None needed</td>
<td>M2100b</td>
<td>response 0</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver currently provides</td>
<td>M2100b</td>
<td>response 1</td>
</tr>
<tr>
<td>IADL Assistance: Caregiver training/support needed</td>
<td>M2100b</td>
<td>response 5</td>
</tr>
<tr>
<td>Behavioral: Impaired decision making</td>
<td>M1740</td>
<td>response 2</td>
</tr>
<tr>
<td>Behavioral: Disruptive/inappropriate behavior</td>
<td>M1740</td>
<td>response 5</td>
</tr>
<tr>
<td>Urinary incontinence or catheter required</td>
<td>M1610</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Urinary Incontinence: Night only</td>
<td>M1615</td>
<td>response 2</td>
</tr>
<tr>
<td>Urinary Incontinence: Day only</td>
<td>M1615</td>
<td>response 3</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>M1615</td>
<td>response 4</td>
</tr>
<tr>
<td>Management of Injectable Medications: None prescribed</td>
<td>M2030</td>
<td>response 0</td>
</tr>
<tr>
<td>Discharged from inpatient setting within past 14 days</td>
<td>M1000</td>
<td>response other than NA</td>
</tr>
<tr>
<td>Discharged from long-term nursing facility (NF) past 14 days</td>
<td>M1000</td>
<td>response 1</td>
</tr>
<tr>
<td>Discharged from long-term care hospital (LTCH) past 14 days</td>
<td>M1000</td>
<td>response 4</td>
</tr>
<tr>
<td>Discharged from psychiatric hospital/unit past 14 days</td>
<td>M1000</td>
<td>response 6</td>
</tr>
<tr>
<td>Discharged from inpatient rehab hospital/unit (IRF) past 14 days</td>
<td>M1000</td>
<td>response 5</td>
</tr>
<tr>
<td>Discharged from skilled nursing facility (SNF / TCU) past 14 days</td>
<td>M1000</td>
<td>response 2</td>
</tr>
<tr>
<td>Discharged from Short-stay acute hospital (IPP S) past 14 days</td>
<td>M1000</td>
<td>response 3</td>
</tr>
<tr>
<td>Receiving intravenous or infusion therapy</td>
<td>M1030</td>
<td>response 1</td>
</tr>
<tr>
<td>Receiving parenteral nutrition</td>
<td>M1030</td>
<td>response 2</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Needs clothing/shoes laid out</td>
<td>M1820</td>
<td>response 1</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Assist needed putting on clothing</td>
<td>M1820</td>
<td>response 2</td>
</tr>
<tr>
<td>Ability to Dress Lower Body: Entirely dependent upon someone else</td>
<td>M1820</td>
<td>response 3</td>
</tr>
<tr>
<td>Lives alone with round the clock assistance</td>
<td>M1100</td>
<td>response 1</td>
</tr>
<tr>
<td>Lives in congregate situation with around the clock assistance</td>
<td>M1100</td>
<td>response 11</td>
</tr>
<tr>
<td>Lives in congregate situation with regular daytime assistance</td>
<td>M1100</td>
<td>response 12</td>
</tr>
<tr>
<td>Lives in congregate situation with regular nighttime assistance</td>
<td>M1100</td>
<td>response 13</td>
</tr>
<tr>
<td>Lives in  congregate situation-occasional/short term assistance</td>
<td>M1100</td>
<td>response 14</td>
</tr>
<tr>
<td>Lives alone with regular daytime assistance</td>
<td>M1100</td>
<td>response 2</td>
</tr>
<tr>
<td>Lives alone with occasional/short term assistance</td>
<td>M1100</td>
<td>response 4</td>
</tr>
<tr>
<td>Lives alone with no assistance</td>
<td>M1100</td>
<td>response 5</td>
</tr>
<tr>
<td>Lives with other person(s) with around the clock assistance</td>
<td>M1100</td>
<td>response 6</td>
</tr>
<tr>
<td>Lives with other person(s) with regular daytime assistance</td>
<td>M1100</td>
<td>response 7</td>
</tr>
<tr>
<td>Lives with other person(s) with regular nighttime assistance</td>
<td>M1100</td>
<td>response 8</td>
</tr>
<tr>
<td>Lives with other person(s) with occasional/short term assistance</td>
<td>M1100</td>
<td>response 9</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Incontinent</td>
<td>M1610</td>
<td>response 1</td>
</tr>
<tr>
<td>Urinary incontinence/catheter: Catheter</td>
<td>M1610</td>
<td>response 2</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Medication Assistance: None needed</td>
<td>M2100c</td>
<td>response 0</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver currently provides</td>
<td>M2100c</td>
<td>response 1</td>
</tr>
<tr>
<td>Medication Assistance: Uncertain/unlikely to be provided</td>
<td>M2100c</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>Medication Assistance: Caregiver training/support needed</td>
<td>M2100c</td>
<td>response 2</td>
</tr>
<tr>
<td>Meal prep: Independently able to plan/prepare light meals</td>
<td>M1880</td>
<td>response 0</td>
</tr>
<tr>
<td>Meal prep: Unable to plan/prepare light meals</td>
<td>M1880</td>
<td>response 1</td>
</tr>
<tr>
<td>Meal prep: Unable to reheat delivered meals</td>
<td>M1880</td>
<td>response 2</td>
</tr>
<tr>
<td>Drug Regimen Review: Problems found</td>
<td>M2000</td>
<td>response 2</td>
</tr>
<tr>
<td>Change in medical or treatment regimen in past 14 days</td>
<td>M1016</td>
<td>not blank</td>
</tr>
<tr>
<td>Behavioral: Memory deficit</td>
<td>M1740</td>
<td>response 1</td>
</tr>
<tr>
<td>Age: 18-64</td>
<td>M0066</td>
<td>calculated age = 18-64</td>
</tr>
<tr>
<td>Age: 75-84</td>
<td>M0066</td>
<td>calculated age = 75-84</td>
</tr>
<tr>
<td>Age: 85 and over</td>
<td>M0066</td>
<td>calculated age = 85+</td>
</tr>
<tr>
<td>Ambulation/Locomotion: One-handed device on all surfaces</td>
<td>M1860</td>
<td>response 1</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Two-handed device/human assist on steps</td>
<td>M1860</td>
<td>response 2</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Walks only with supervision or assist</td>
<td>M1860</td>
<td>response 3</td>
</tr>
<tr>
<td>Ambulation/Locomotion: Chairfast or bedfast</td>
<td>M1860</td>
<td>response 4 or 5</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Once a month or less</td>
<td>M1745</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a month</td>
<td>M1745</td>
<td>response 3</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: Several times a week</td>
<td>M1745</td>
<td>response 4</td>
</tr>
<tr>
<td>Frequency of Disruptive Behavior: At least once daily</td>
<td>M1745</td>
<td>response 5</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Less than once a week</td>
<td>M1620</td>
<td>response 1</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: One to three times a week</td>
<td>M1620</td>
<td>response 2</td>
</tr>
<tr>
<td>Bowel Incontinence Frequency: Four to six times a week or more</td>
<td>M1620</td>
<td>response 3, 4 or 5</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires prompting under stress</td>
<td>M1700</td>
<td>response 1</td>
</tr>
<tr>
<td>Cognitive Functioning: Requires assist in special circumstances</td>
<td>M1700</td>
<td>response 2</td>
</tr>
<tr>
<td>Cognitive Function: Requires considerable assist/totally dependent</td>
<td>M1700</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>Confused: In new or complex situations</td>
<td>M1710</td>
<td>response 1</td>
</tr>
<tr>
<td>Confused: Sometimes</td>
<td>M1710</td>
<td>response 2 or 3</td>
</tr>
<tr>
<td>Confused: Constantly</td>
<td>M1710</td>
<td>response 4</td>
</tr>
<tr>
<td>Dyspnea: Walking more than 20 feet, climbing stairs</td>
<td>M1400</td>
<td>response 1</td>
</tr>
<tr>
<td>Dyspnea: Moderate exertion</td>
<td>M1400</td>
<td>response 2</td>
</tr>
<tr>
<td>Dyspnea: Minimal to no exertion</td>
<td>M1400</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>Eating: Requires set up, intermittent assist or modified consistency</td>
<td>M1870</td>
<td>response 1</td>
</tr>
<tr>
<td>Eating: Unable to feed self and must be assisted throughout meal</td>
<td>M1870</td>
<td>response 2</td>
</tr>
<tr>
<td>Eating: Requires tube feedings, or no nutrients orally or via tube</td>
<td>M1870</td>
<td>response 3 or 4 or 5</td>
</tr>
<tr>
<td>Urinary Incontinence: Occasional stress incontinence</td>
<td>M1615</td>
<td>response 1</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------------------</td>
<td>------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Urinary Incontinence: Day or night</td>
<td>M1615</td>
<td>response 2 or 3</td>
</tr>
<tr>
<td>Urinary Incontinence: Day and night</td>
<td>M1615</td>
<td>response 4</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>M1230</td>
<td>response 1</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>M1230</td>
<td>response 2</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe to nonresponsive</td>
<td>M1230</td>
<td>response 3 or 4 or 5</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>M1840</td>
<td>response 1</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>M1840</td>
<td>response 2</td>
</tr>
<tr>
<td>Toilet Transferring: Unable to transfer to/from toilet or commode</td>
<td>M1840</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>Transferring: With minimal human assist or with device</td>
<td>M1850</td>
<td>response 1</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>M1850</td>
<td>response 2</td>
</tr>
<tr>
<td>Transferring: Unable or bedfast</td>
<td>M1850</td>
<td>response 3 or 4 or 5</td>
</tr>
<tr>
<td>Patient Overall Status: Temporary high health risk</td>
<td>M1034</td>
<td>response 1</td>
</tr>
<tr>
<td>Patient Overall Status: Fragile health</td>
<td>M1034</td>
<td>response 2</td>
</tr>
<tr>
<td>Patient Overall Status: Serious progressive conditions</td>
<td>M1034</td>
<td>response 3</td>
</tr>
<tr>
<td>Management of Oral Meds: Independent</td>
<td>M2020</td>
<td>response 0</td>
</tr>
<tr>
<td>Management of Oral Meds: Advance dose prep/chart needed</td>
<td>M2020</td>
<td>response 1</td>
</tr>
<tr>
<td>Management of Oral Meds: Reminders needed</td>
<td>M2020</td>
<td>response 2</td>
</tr>
<tr>
<td>Respiratory Treatments: Oxygen</td>
<td>M1410</td>
<td>response 1</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with ambulation</td>
<td>M1900b</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Indwelling/suprapubic catheter</td>
<td>M1018</td>
<td>response 2</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Disruptive behavior</td>
<td>M1018</td>
<td>response 5</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with household tasks</td>
<td>M1900d</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Impaired decision making</td>
<td>M1018</td>
<td>response 4</td>
</tr>
<tr>
<td>Prior Management of Injectable Meds: Not applicable</td>
<td>M2040b</td>
<td>response na</td>
</tr>
<tr>
<td>Prior Management of Injectable Meds: Needed assistance</td>
<td>M1018 M2040b</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Intractable pain</td>
<td>M1018</td>
<td>response 3</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Severe memory loss</td>
<td>M1018</td>
<td>response 6</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: None of listed conditions</td>
<td>M1018</td>
<td>response 7</td>
</tr>
<tr>
<td>Prior Management of Oral Meds: Needed assistance</td>
<td>M2040a</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with self care</td>
<td>M1900a</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Prior Functioning: Needed assistance with transfer</td>
<td>M1900c</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Conditions Prior to Treatment: Urinary incontinence</td>
<td>M1018</td>
<td>response 1</td>
</tr>
<tr>
<td>Frequency of Pain: Pain does not interfere with activity</td>
<td>M1242</td>
<td>response 1</td>
</tr>
<tr>
<td>Frequency of Pain: Less often than daily</td>
<td>M1242</td>
<td>response 2</td>
</tr>
<tr>
<td>Frequency of Pain: Daily, but not constant</td>
<td>M1242</td>
<td>response 3</td>
</tr>
<tr>
<td>Frequency of Pain: Constant</td>
<td>M1242</td>
<td>response 4</td>
</tr>
<tr>
<td>Payment Source: Medicare, Medicaid, or Private HMO</td>
<td>M0150</td>
<td>response 2, 4, or 9</td>
</tr>
<tr>
<td>Payment Source: All Medicaid</td>
<td>M0150</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Payment Source: All Medicare</td>
<td>M0150</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Payment Source: Medicare HMO</td>
<td>M0150</td>
<td>response 2</td>
</tr>
<tr>
<td>Payment Source: Any other</td>
<td>M0150</td>
<td>response 5,6,7,8,10,11</td>
</tr>
<tr>
<td>Use of Telephone: Able to make and answer calls</td>
<td>M1890</td>
<td>response 0</td>
</tr>
<tr>
<td>Use of Telephone: Able to use specially adapted telephone</td>
<td>M1890</td>
<td>response 1</td>
</tr>
<tr>
<td>Use of Telephone: Able to answer but difficulty placing calls</td>
<td>M1890</td>
<td>response 2</td>
</tr>
<tr>
<td>Use of Telephone: Limited ability to answer or converse</td>
<td>M1890</td>
<td>response 3</td>
</tr>
<tr>
<td>Use of Telephone: Unable to answer but listens with assistance</td>
<td>M1890</td>
<td>response 4</td>
</tr>
<tr>
<td>Use of Telephone: Totally unable</td>
<td>M1890</td>
<td>response 5</td>
</tr>
<tr>
<td>PHQ-2 Depression: Several days in past 2 weeks</td>
<td>M1730_1b</td>
<td>response 1</td>
</tr>
<tr>
<td>PHQ-2 Depression: More than half of days in past 2 weeks</td>
<td>M1730_1b</td>
<td>response 2</td>
</tr>
<tr>
<td>PHQ-2 Depression: Nearly every day in past 2 weeks</td>
<td>M1730_1b</td>
<td>response 3</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Several days in past 2 weeks</td>
<td>M1730_1a</td>
<td>response 1</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: More than half of days in past 2 weeks</td>
<td>M1730_1a</td>
<td>response 2</td>
</tr>
<tr>
<td>PHQ-2 Loss of Interest: Nearly every day in past 2 weeks</td>
<td>M1730_1a</td>
<td>response 3</td>
</tr>
<tr>
<td>Assistance with Medical treatments: None needed</td>
<td>M2100d</td>
<td>response 0</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Caregiver provides</td>
<td>M2100d</td>
<td>response 1</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Uncertain/unlikely</td>
<td>M2100d</td>
<td>response 3 or 4</td>
</tr>
<tr>
<td>Assistance with Medical treatments: Needs training/support</td>
<td>M2100d</td>
<td>response 2</td>
</tr>
<tr>
<td>Pressure ulcer present: Stage II or higher</td>
<td>M1306</td>
<td>response 1</td>
</tr>
<tr>
<td>Pressure ulcer assessment indicates risk</td>
<td>M1300</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage III or IV</td>
<td>M1308b or c</td>
<td>response &gt; 0</td>
</tr>
<tr>
<td>Pressure Ulcer: None present</td>
<td>M1308d1, M1322</td>
<td>M1308d1 response 0 AND M1322 response 0</td>
</tr>
<tr>
<td>Pressure Ulcer: Unstageable ulcer(s) present</td>
<td>M1308a through d3</td>
<td>M1308d1 response 0 AND M1308d2 response 0 AND M1308d3 response 0</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage II ulcer(s) present</td>
<td>M1308a</td>
<td>response &gt; 0</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage III ulcer(s) present</td>
<td>M1308b</td>
<td>response &gt; 0</td>
</tr>
<tr>
<td>Pressure Ulcer: Stage IV ulcer(s) present</td>
<td>M1308c</td>
<td>response &gt; 0</td>
</tr>
<tr>
<td>Pressure Ulcer Present: Total Number Stage II or higher</td>
<td>M1308a through d3</td>
<td>response = total number</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 1</td>
<td>M1308d1</td>
<td>response = 1</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 2</td>
<td>M1308d2</td>
<td>response = 2</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 3</td>
<td>M1308d3</td>
<td>response = 3</td>
</tr>
<tr>
<td>Number of Unstageable Pressure Ulcer(s): 4 or more</td>
<td>M1308d1, M1308d2 and M1308d3</td>
<td>response = 4 or &gt;</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 1</td>
<td>M1308a</td>
<td>response = 1</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 2</td>
<td>M1308a</td>
<td>response = 2</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 3</td>
<td>M1308a</td>
<td>response = 3</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Number of Stage II Pressure Ulcers(s): 4 or more</td>
<td>M1308a</td>
<td>response = 4 or &gt;</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 1</td>
<td>M1308b</td>
<td>response = 1</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 2</td>
<td>M1308b</td>
<td>response = 2</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 3</td>
<td>M1308b</td>
<td>response = 3</td>
</tr>
<tr>
<td>Number of Stage III Pressure Ulcers(s): 4 or more</td>
<td>M1308b</td>
<td>response = 4 or &gt;</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 1</td>
<td>M1308c</td>
<td>response = 1</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 2</td>
<td>M1308c</td>
<td>response = 2</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 3</td>
<td>M1308c</td>
<td>response = 3</td>
</tr>
<tr>
<td>Number of Stage IV Pressure Ulcer(s): 4 or more</td>
<td>M1308c</td>
<td>response = 4 or &gt;</td>
</tr>
<tr>
<td>Risk for Hospitalization: Taking five or more medications</td>
<td>M1032</td>
<td>response 4</td>
</tr>
<tr>
<td>Risk Factors: Alcohol dependency</td>
<td>M1036</td>
<td>response 3</td>
</tr>
<tr>
<td>Risk Factors: Drug dependency</td>
<td>M1036</td>
<td>response 4</td>
</tr>
<tr>
<td>Risk for Hospitalization: Presence of frailty indicators</td>
<td>M1032</td>
<td>response 5</td>
</tr>
<tr>
<td>Risk for Hospitalization: History of falls</td>
<td>M1032</td>
<td>response 3</td>
</tr>
<tr>
<td>Risk for Hospitalization: Two or more hospitalizations past year</td>
<td>M1032</td>
<td>response 2</td>
</tr>
<tr>
<td>Risk Factors: None of the listed factors</td>
<td>M1036</td>
<td>response 6</td>
</tr>
<tr>
<td>Risk Factors: Obesity</td>
<td>M1036</td>
<td>response 2</td>
</tr>
<tr>
<td>Risk for Hospitalization: Other unlisted risk factors</td>
<td>M1032</td>
<td>response 6</td>
</tr>
<tr>
<td>Risk for Hospitalization: Recent mental/emotional decline</td>
<td>M1032</td>
<td>response 1</td>
</tr>
<tr>
<td>Risk Factors: Smoking</td>
<td>M1036</td>
<td>response 1</td>
</tr>
<tr>
<td>Difficulty in Speech: No observable impairment</td>
<td>M1230</td>
<td>response 0</td>
</tr>
<tr>
<td>Difficulty in Speech: Minimal</td>
<td>M1230</td>
<td>response 1</td>
</tr>
<tr>
<td>Difficulty in Speech: Moderate</td>
<td>M1230</td>
<td>response 2</td>
</tr>
<tr>
<td>Difficulty in Speech: Severe difficulty</td>
<td>M1230</td>
<td>response 3</td>
</tr>
<tr>
<td>Difficulty in Speech: Unable to express basic needs</td>
<td>M1230</td>
<td>response 4</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: None needed</td>
<td>M2100f</td>
<td>response 0</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver currently provides</td>
<td>M2100f</td>
<td>response 1</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Uncertain/unlikely to be provided</td>
<td>M2100f</td>
<td>response 2</td>
</tr>
<tr>
<td>Supervision and Safety Assistance: Caregiver training needed</td>
<td>M2100f</td>
<td>response 3</td>
</tr>
<tr>
<td>Surgical Wound Present</td>
<td>M1340</td>
<td>response 1 or 2</td>
</tr>
<tr>
<td>Status of Surgical Wound (0-3)</td>
<td>M1342</td>
<td>value</td>
</tr>
<tr>
<td>Status of Surgical Wound: Fully granulating</td>
<td>M1342</td>
<td>response 1</td>
</tr>
<tr>
<td>Status of Surgical Wound: Early/partial granulation</td>
<td>M1342</td>
<td>response 2</td>
</tr>
<tr>
<td>Status of Surgical Wound: Not healing</td>
<td>M1342</td>
<td>response 3</td>
</tr>
<tr>
<td>Stasis Ulcer Present</td>
<td>M1330</td>
<td>response 1 or 2 or 3</td>
</tr>
<tr>
<td>Status of Stasis Ulcer (0-3)</td>
<td>M1334</td>
<td>value</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Fully granulating</td>
<td>M1334</td>
<td>response 1</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Early/partial granulation</td>
<td>M1334</td>
<td>response 2</td>
</tr>
<tr>
<td>Status of Stasis Ulcer: Not healing</td>
<td>M1334</td>
<td>response 3</td>
</tr>
<tr>
<td>Risk Factor Measured at SOC/ROC</td>
<td>OASIS Item</td>
<td>Response No.</td>
</tr>
<tr>
<td>---------------------------------------------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Number of therapy visits: 1-2</td>
<td>M2200</td>
<td>response = 1 or 2</td>
</tr>
<tr>
<td>Number of therapy visits: 11-12</td>
<td>M2200</td>
<td>response = 11 or 12</td>
</tr>
<tr>
<td>Number of therapy visits: 13-14</td>
<td>M2200</td>
<td>response = 13 or 14</td>
</tr>
<tr>
<td>Number of therapy visits: 15-16</td>
<td>M2200</td>
<td>response = 15 or 16</td>
</tr>
<tr>
<td>Number of therapy visits: 17-18</td>
<td>M2200</td>
<td>response = 17 or 18</td>
</tr>
<tr>
<td>Number of therapy visits: 19 +</td>
<td>M2200</td>
<td>response = 19 or more</td>
</tr>
<tr>
<td>Number of therapy visits: 3-4</td>
<td>M2200</td>
<td>response = 3 or 4</td>
</tr>
<tr>
<td>Number of therapy visits: 5-6</td>
<td>M2200</td>
<td>response = 5 or 6</td>
</tr>
<tr>
<td>Number of therapy visits: 7-8</td>
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<td>response = 7 or 8</td>
</tr>
<tr>
<td>Number of therapy visits: 9-10</td>
<td>M2200</td>
<td>response = 9 or 10</td>
</tr>
<tr>
<td>Therapy Amounts: High</td>
<td>M2200</td>
<td>response &gt; 13</td>
</tr>
<tr>
<td>Therapy Amounts: Low</td>
<td>M2200</td>
<td>response &lt; 5</td>
</tr>
<tr>
<td>Therapy Amounts: Medium</td>
<td>M2200</td>
<td>response 5-13</td>
</tr>
<tr>
<td>Episode Timing: Early</td>
<td>M0110</td>
<td>response 1</td>
</tr>
<tr>
<td>Episode Timing: Later</td>
<td>M0110</td>
<td>response 2</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: None needed</td>
<td>M1845</td>
<td>response 0</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs supplies laid out</td>
<td>M1845</td>
<td>response 1</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Needs assistance</td>
<td>M1845</td>
<td>response 2</td>
</tr>
<tr>
<td>Toilet Hygiene Assistance: Entirely dependent</td>
<td>M1845</td>
<td>response 3</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet independently</td>
<td>M1840</td>
<td>response 0</td>
</tr>
<tr>
<td>Toilet Transferring: To/from/on/off toilet with human assist</td>
<td>M1840</td>
<td>response 1</td>
</tr>
<tr>
<td>Toilet Transferring: Able to self-transfer to bedside commode</td>
<td>M1840</td>
<td>response 2</td>
</tr>
<tr>
<td>Toilet Transferring: Able to use bedpan/urinal independently</td>
<td>M1840</td>
<td>response 3</td>
</tr>
<tr>
<td>Toilet Transferring: Entirely dependent</td>
<td>M1840</td>
<td>response 4</td>
</tr>
<tr>
<td>Transferring: Independent</td>
<td>M1850</td>
<td>response 0</td>
</tr>
<tr>
<td>Transferring: With minimal human assistance or with device</td>
<td>M1850</td>
<td>response 1</td>
</tr>
<tr>
<td>Transferring: Bears weight and pivots only</td>
<td>M1850</td>
<td>response 2</td>
</tr>
<tr>
<td>Transferring: Unable to bear weight</td>
<td>M1850</td>
<td>response 3</td>
</tr>
<tr>
<td>Transferring: Bedfast, but able to reposition in bed</td>
<td>M1850</td>
<td>response 4</td>
</tr>
<tr>
<td>Transferring: Bedfast</td>
<td>M1850</td>
<td>response 5</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs clothing laid out</td>
<td>M1810</td>
<td>response 1</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Needs assistance putting on clothing</td>
<td>M1810</td>
<td>response 2</td>
</tr>
<tr>
<td>Ability to Dress Upper Body: Entirely dependent upon someone else</td>
<td>M1810</td>
<td>response 3</td>
</tr>
<tr>
<td>Behavioral: Verbally disruptive/inappropriate</td>
<td>M1740</td>
<td>response 3</td>
</tr>
<tr>
<td>Verbal Understanding: Most of the time</td>
<td>M1220</td>
<td>response 1</td>
</tr>
<tr>
<td>Verbal Understanding: Sometimes</td>
<td>M1220</td>
<td>response 2</td>
</tr>
<tr>
<td>Verbal Understanding: Rarely or never</td>
<td>M1220</td>
<td>response 3</td>
</tr>
<tr>
<td>Vision: Partially impaired</td>
<td>M1200</td>
<td>response 1</td>
</tr>
<tr>
<td>Vision: Severely impaired</td>
<td>M1200</td>
<td>response 2</td>
</tr>
<tr>
<td>Skin Lesion or Open Wound</td>
<td>M1350</td>
<td>response 1</td>
</tr>
</tbody>
</table>