



SHP Analysis of Risk Adjustments for Home Health Compare Improvement Outcomes

Version 1.00

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Introduction

The purpose of this document is to highlight some of the risk-factors that have a significant impact on the risk-adjusted outcomes scores that are calculated by CMS for each of the 7 Home Health Compare improvement outcomes. In performing this study, SHP analyzed over 4.8 million clinical episodes (SOC/ROC to DC) completed in calendar year 2017.

While there are numerous risk-factors that contribute to the final risk-adjusted outcome scores for a provider, one of the largest factors contributing to the final risk-adjusted score is the “SOC/ROC Rating” for the outcome. The tables below provide a comparison of observed and risk-adjusted outcomes broken out for each of the possible SOC/ROC ratings for each outcome for the purpose of demonstrating the following:

- The % distribution of SOC/ROC ratings for each outcome
- The impact of SOC/ROC ratings on the Observed and the Risk Adjusted scores for each outcome
- How the *Average Patient Predicted Score* (the likelihood that a patient will improve based on the risk-factors present at the patient level) for each SOC/ROC rating group relates to the Observed and Risk Adjusted scores

This document is provided as an informational guide to assist providers with understanding how the assessed values at SOC/ROC for each outcome impact their final risk adjusted scores. It should not be used as a guideline to determine how the SOC/ROC ratings for your patients should be assessed. Each individual patient should be assessed in accordance with the current OASIS guidelines based on their specific clinical condition.

Improvement in Ambulation

Improvement in Ambulation (M1860)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	162,618	97,240	4.8%	59.8%	87.8%	39.7%
2	665,510	411,815	19.4%	61.9%	78.9%	50.7%
3	2,216,550	1,939,222	64.8%	87.5%	72.9%	82.3%
4	165,664	97,517	4.8%	58.9%	61.1%	65.5%
5	185,259	120,612	5.4%	65.1%	78.3%	54.5%
6	26,496	14,395	0.8%	54.3%	100.0%	13.3%
ALL	3,422,097	2,680,801	N/A	78.3%	74.8%	71.3%

Ambulation Ratings:

(M1860) Ambulation/Locomotion: Current ability to walk safely, once in a standing position, or use a wheelchair, once in a seated position, on a variety of surfaces.	
Enter Code <input type="checkbox"/>	0 Able to independently walk on even and uneven surfaces and negotiate stairs with or without railings (specifically: needs no human assistance or assistive device). 1 With the use of a one-handed device (for example, cane, single crutch, hemi-walker), able to independently walk on even and uneven surfaces and negotiate stairs with or without railings. 2 Requires use of a two-handed device (for example, walker or crutches) to walk alone on a level surface and/or requires human supervision or assistance to negotiate stairs or steps or uneven surfaces. 3 Able to walk only with the supervision or assistance of another person at all times. 4 Chairfast, <u>unable</u> to ambulate but is able to wheel self independently. 5 Chairfast, unable to ambulate and is <u>unable</u> to wheel self. 6 Bedfast, unable to ambulate or be up in a chair.

Improvement in Bed Transferring

Improvement in Bed Transferring (M1850)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	1,086,268	652,470	32.2%	60.1%	77.4%	47.0%
2	1,910,298	1,710,126	56.6%	89.5%	69.0%	84.7%
3	338,404	267,769	10.0%	79.1%	68.5%	74.9%
4	13,295	9,115	0.4%	68.6%	55.7%	77.1%
5	25,732	13,592	0.8%	52.8%	39.9%	77.2%
ALL	3,373,997	2,653,072	N/A	78.6%	71.4%	71.5%

Bed Transferring Ratings:

(M1850) Transferring: Current ability to move safely from bed to chair, or ability to turn and position self in bed if patient is bedfast.	
Enter Code <input type="checkbox"/>	0 Able to independently transfer. 1 Able to transfer with minimal human assistance or with use of an assistive device. 2 Able to bear weight and pivot during the transfer process but unable to transfer self. 3 Unable to transfer self and is unable to bear weight or pivot when transferred by another person. 4 Bedfast, unable to transfer but is able to turn and position self in bed. 5 Bedfast, unable to transfer and is unable to turn and position self.

Improvement in Bathing

Improvement in Bathing (M1830)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	135,349	73,957	3.9%	54.6%	85.1%	39.3%
2	474,002	362,589	13.7%	76.5%	79.4%	66.8%
3	1,663,659	1,329,049	48.2%	79.9%	78.6%	71.1%
4	244,965	217,430	7.1%	88.8%	80.2%	78.3%
5	714,681	635,090	20.7%	88.9%	76.8%	81.8%
6	221,386	142,019	6.4%	64.1%	71.2%	62.7%
ALL	3,454,042	2,760,134	N/A	79.9%	78.2%	71.0%

Bathing Ratings:

(M1830) Bathing: Current ability to wash entire body safely. <u>Excludes</u> grooming (washing face, washing hands, and shampooing hair).	
Enter Code <input type="checkbox"/>	0 Able to bathe self in <u>shower or tub</u> independently, including getting in and out of tub/shower. 1 With the use of devices, is able to bathe self in shower or tub independently, including getting in and out of the tub/shower. 2 Able to bathe in shower or tub with the intermittent assistance of another person: (a) for intermittent supervision or encouragement or reminders, <u>OR</u> (b) to get in and out of the shower or tub, <u>OR</u> (c) for washing difficult to reach areas. 3 Able to participate in bathing self in shower or tub, <u>but</u> requires presence of another person throughout the bath for assistance or supervision. 4 Unable to use the shower or tub, but able to bathe self independently with or without the use of devices at the sink, in chair, or on commode. 5 Unable to use the shower or tub, but able to participate in bathing self in bed, at the sink, in bedside chair, or on commode, with the assistance or supervision of another person. 6 Unable to participate effectively in bathing and is bathed totally by another person.

Improvement in Pain

Improvement in Pain (M1242)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	271,685	167,335	9.1%	61.6%	78.2%	49.5%
2	385,274	306,144	12.9%	79.5%	80.8%	64.8%
3	1,609,194	1,256,405	54.0%	78.1%	79.9%	64.3%
4	714,618	638,640	24.0%	89.4%	74.7%	80.7%
ALL	2,980,771	2,368,524	N/A	79.5%	78.6%	66.9%

Pain Ratings:

(M1242) Frequency of Pain Interfering with patient's activity or movement:	
Enter Code <input type="checkbox"/>	0 Patient has no pain
	1 Patient has pain that does not interfere with activity or movement
	2 Less often than daily
	3 Daily, but not constantly
	4 All of the time

Improvement in Dyspnea

Improvement in Dyspnea (M1400)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	926,316	638,022	34.9%	68.9%	80.7%	55.3%
2	1,128,916	958,172	42.5%	84.9%	77.8%	74.2%
3	496,965	439,809	18.7%	88.5%	75.6%	80.0%
4	103,252	88,018	3.9%	85.2%	73.0%	79.3%
ALL	2,655,449	2,124,021	N/A	80.0%	78.2%	68.9%

Dyspnea Ratings:

(M1400) When is the patient dyspneic or noticeably Short of Breath?	
Enter Code <input type="checkbox"/>	0 Patient is not short of breath
	1 When walking more than 20 feet, climbing stairs
	2 With moderate exertion (for example, while dressing, using commode or bedpan, walking distances less than 20 feet)
	3 With minimal exertion (for example, while eating, talking, or performing other ADLs) or with agitation
	4 At rest (during day or night)

Improvement in Surgical Wound Status

Improvement in Surgical Wound Status (M1342)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	28,000	24,721	5.8%	88.3%	99.9%	78.4%
2	60,470	54,914	12.6%	90.8%	95.0%	85.8%
3	392,933	360,748	81.6%	91.8%	89.7%	92.1%
ALL	481,403	440,383	N/A	91.5%	91.0%	90.5%

Surgical Wound Status Ratings:

(M1342) Status of Most Problematic Surgical Wound that is Observable	
Enter Code <input type="checkbox"/>	0 Newly epithelialized 1 Fully granulating 2 Early/partial granulation 3 Not healing

Improvement in Management of Oral Medications

Improvement in Management of Oral Medications (M2020)						
SOC/ROC Rating	Eligible	Improved	% of Total Episodes	Observed Score	Risk Adjusted Score	Avg. Patient Predicted
1	760,524	494,648	24.7%	65.0%	68.3%	55.9%
2	513,823	392,862	16.7%	76.5%	64.1%	71.4%
3	1,800,767	1,238,067	58.6%	68.8%	63.7%	64.1%
ALL	3,075,114	2,125,577	N/A	69.1%	64.9%	63.3%

Management of Oral Medication Ratings:

(M2020) Management of Oral Medications: Patient's current ability to prepare and take all oral medications reliably and safely, including administration of the correct dosage at the appropriate times/intervals. <u>Excludes</u> injectable and IV medications. (NOTE: This refers to ability, not compliance or willingness.)	
Enter Code <input type="checkbox"/>	0 Able to independently take the correct oral medication(s) and proper dosage(s) at the correct times. 1 Able to take medication(s) at the correct times if: (a) individual dosages are prepared in advance by another person; <u>OR</u> (b) another person develops a drug diary or chart. 2 Able to take medication(s) at the correct times if given reminders by another person at the appropriate times 3 <u>Unable</u> to take medication unless administered by another person. NA No oral medications prescribed.

Support

Please contact SHP Support at support@SHPdata.com, call us at (805) 963-9446 if you have any questions regarding this information.