TABLE 1: Parameters of Patient-Level and Agency-Level Outcome Measures and Risk Adjustment Models Based on Recent Data from the National Oasis Repository.

Outcome Measure[1]	Obs. Pt. Lvl. Mean[2]	Reliability: Underlying Variable[3]	Validation R-Sqr'd Pt. Lvl.	Validation R-Sqr'd Ag. Lvl.[4]	Validation C-Statistic Pt. Lvl.	Number of Risk Factors[5] Pt. Lvl.	Number of Risk Factors[5] Ag. Lvl.[4]	Sample Sizes[6] Patient Level Dev'l	Sample Sizes[6] Patient Level Valid'n	Sample Sizes[6] Agency Level Dev'l	Sample Sizes[6] Agency Level Valid'n
1. Improvement in Dyspnea (0-4)	0.53	0.816	0.116	0.256	0.695	51	21	221066	441518	3117	2076
2. Impr. in Status of Surg. Wounds (0-3)	0.75	0.954	0.067	0.237	0.669	14	17	27465	218981	2054	1346
3. Impr. in No. of Surgical Wounds (0-4)	0.60	0.844	0.073	0.231	0.657	12	13	54861	218736	2042	1344
4. Impr. in Urinary Tract Infection (0-1)	0.84	1.000	0.120	0.305	0.742	17	11	27248	54451	1159	774
5. Impr. in Urinary Incontinence (0-4)	0.49	0.876	0.119	0.301	0.695	57	19	103241	206326	2503	1640
6. Impr. in Bowel Incontinence (0-5)	0.59	0.727	0.154	0.313	0.729	30	9	34494	68744	1326	890
7. Impr. in Behav.l Problem Freq. (0-5)	0.62	0.961	0.069	0.155	0.655	26	10	24116	47574	996	676
8. Impr. in Cognitive Functioning (0-4)	0.43	0.627	0.103	0.196	0.685	30	18	27004	217924	2638	1736
9. Impr. in Confusion Frequency (0-4)	0.41	0.676	0.110	0.293	0.692	60	17	132512	265265	2834	1859
10. Improvement in Anxiety Level (0-3)	0.52	0.612	0.058	0.240	0.637	27	21	34122	275158	2865	1877
11. Improvement in Eating (0-5)	0.53	0.892	0.171	0.376	0.739	36	25	26977	216689	2325	1526
12. Impr. in Dressing Upper Body (0-3)	0.61	0.679	0.236	0.529	0.783	49	24	100226	402076	2957	1947
13. Impr. in Dressing Lower Body (0-3)	0.60	0.776	0.208	0.540	0.762	46	20	57855	466527	3048	2013
14. Improvement in Bathing (0-5)	0.57	0.770	0.193	0.453	0.755	50	22	77491	622402	3254	2145
15. Improvement in Grooming (0-3)	0.61	0.715	0.243	0.501	0.787	49	26	86401	346994	2869	1892
16. Impr. in Mgmt of Oral Meds (0-2)	0.35	0.825	0.180	0.317	0.754	51	20	94446	377808	2995	1988
17. Impr. in Ambulation/Locomotion (0-5)	0.34	0.874	0.183	0.356	0.758	37	19	74697	600342	3235	2133
18. Improvement in Toileting (0-4)	0.60	0.865	0.262	0.441	0.797	46	24	30455	249846	2485	1622
19. Improvement in Transferring (0-5)	0.50	0.789	0.137	0.347	0.711	65	21	115769	464039	2990	1988
20. Impr. in Pain Interfering w/Activity (0-3)	0.56	0.665	0.067	0.201	0.644	43	17	110644	443647	3105	2051
21. Impr. in Light Meal Preparation (0-2)	0.52	0.708	0.261	0.548	0.794	50	24	63227	509064	3091	2072
22. Improvement in Laundry (0-2)	0.37	0.642	0.262	0.528	0.804	49	25	84253	676135	3327	2193
23. Improvement in Shopping (0-3)	0.47	0.652	0.222	0.492	0.772	49	22	86410	693485	3359	2218
24. Improvement in Housekeeping (0-4)	0.44	0.545	0.262	0.421	0.798	53	20	171499	686534	3345	2213
25. Impr. in Speech or Language (0-5)	0.43	0.793	0.092	0.265	0.677	43	18	52865	210476	2677	1770
26. Improvement in Phone Use (0-5)	0.47	0.732	0.125	0.195	0.701	43	16	83366	166428	2360	1527
27. Discharged to Community (0-1)	0.68	----	0.183	0.559	0.752	58	25	248766	994757	3643	2429
28. Stabilization in Bathing (0-5)	0.90	0.770	0.116	0.206	0.789	38	18	82821	664380	3329	2210
29. Stabilization in Grooming (0-3)	0.93	0.715	0.109	0.302	0.801	43	20	81572	654330	3318	2200
31. Stabil. in Mgmt of Oral Meds (0-2)	0.92	0.825	0.116	0.223	0.779	48	25	67166	537594	3222	2128
31. Stabil. in Light Meal Preparation (0-2)	0.90	0.708	0.109	0.279	0.771	44	15	55418	443331	3152	2086
32. Stabilization in Laundry (0-2)	0.83	0.642	0.129	0.167	0.746	34	14	42946	172362	2539	1663
33. Stabilization in Shopping (0-3)	0.89	0.652	0.117	0.249	0.769	33	19	55023	441594	3054	2025
34. Stabilization in Housekeeping (0-4)	0.83	0.545	0.100	0.112	0.713	52	19	39114	313499	2908	1919
35. Stabil. in Cognitive Functioning (0-4)	0.91	0.627	0.089	0.241	0.758	32	17	86708	696186	3376	2228
36. Stabilization in Anxiety Level (0-3)	0.88	0.612	0.044	0.116	0.680	30	12	86107	691264	3368	2222
37. Stabilization in Transferring (0-5)	0.94	0.789	0.110	0.216	0.840	48	19	86258	691904	3367	2226
38. Stabil. in Speech or Language (0-5)	0.91	0.793	0.093	0.285	0.762	49	14	174893	700314	3225	2384
39. Stabilization in Phone Use (0-5)	0.93	0.732	0.104	0.385	0.805	40	17	163215	653245	3325	2203
40. Any Emergent Care Provided (0-1)	0.23	----	0.099	0.396	0.707	47	25	121877	976196	3636	2426
41. Acute Care Hospitalization (0-1)	0.28	----	0.150	0.591	0.738	51	26	125000	1000000	3657	2434

[1] All outcome measures are dichotomous. The numbers in parentheses after each outcome measure reflect the scale range for the underlying variable (i.e., OASIS data item) used to compute the outcome measure.

[2] The mean for each outcome measure is based on the developmental and validation sample cases combined.

[3] This column contains the reliability coefficients (weighted kappa for ordinal/interval measures or simple kappa for dichotomous measures) for the OASIS variable(s) used to define each outcome measure; a "--" indicates reliability analysis was not done for the defining variable. The sample size for the reliability study was 66.

[4] Agency models are based on data from 9/1/99-1/3/01. To contribute to the analysis, an agency must have at least 30 patients with valid data for a specific outcome.

[5] This column contains the number of risk factors for each model that consists of a single (logistic or OLS) regression model for the outcome measure, or the number of distinct risk factors for models that are based on two or more separate submodels used in the context of estimating k-part risk adjustment models for k-different cells or strata.

[6] For k-part analyses (see footnote 5), the sample size is the sum of all component sample sizes used to estimate or validate the k-different parts of the overall model.