

Supplementary Table 1: Cohen's Kappa Tabulations

1. Agreement in PICU Up! Level between EHR and Expected

Agreement	Expected Agreement	Kappa	Standard Error	Z	Prob>Z
56.4%	34.3%	0.34	0.062	5.47	0.00

2. Agreement in PICU Up! Level between RN-Report and Expected

Agreement	Expected Agreement	Kappa	Standard Error	Z	Prob>Z
53.5%	32.05%	0.32	0.052	6.09	0.00

3. Agreement in HLM between EHR and Expected

Agreement	Expected Agreement	Kappa	Standard Error	Z	Prob>Z
39.6%	27.0%	0.17	0.056	3.12	0.00

4. Agreement in HLM between RN-Report and Expected

Agreement	Expected Agreement	Kappa	Standard Error	Z	Prob>Z
40.6%	25.7%	0.20	0.058	3.49	0.00

Supplementary Table 2: Directionality of Discordance for PICU Up! Level and Highest Level of Mobility between Protocol Expectation and Nurse-Report

Discordance Between Expected Versus Nurse-Reported PICU Up! Level

Expected PICU Up! Level	Total (n)	Nurse-Reported Level (n,%)			
		Level 1	Level 2	Level 3	Unknown Level
Level 1	24	9 (37.50)	5 (20.83)	5 (20.83)	5 (20.83)
Level 2	23	-	7 (30.43)	8 (34.78)	8 (34.78)
Level 3	54	-	1 (1.85)	38 (70.37)	15 (27.78)

Discordance Between Expected Versus Nurse-Reported Highest Level of Mobility

Expected HLM	Total (n)	Nurse-Reported Level (n,%)			
		HLM 1	HLM 2	HLM 3	HLM 4
HLM 1 (Passive)	28	19 (67.86)	1 (3.57)	6 (21.43)	2 (7.14)
HLM 2 (In Bed)	19	5 (26.32)	5 (26.32)	7 (36.84)	2 (10.53)
HLM 3 (Out of Bed)	24	8 (33.33)	5 (20.83)	5 (20.83)	6 (25.00)
HLM 4 (Ambulatory)	30	2 (6.67)	3 (10.00)	13 (43.33)	12 (40.00)

 **Concordant**

 **Difference of 1 PICU Up! or HLM Level**

 **Difference of 2 PICU Up! Or HLM Levels**

Number of Patients with Discordant PICU Up! Level from First Logistic Regression

Characteristic	n	%
Age Group		
1	12	31.6
2	5	13.2
3	14	36.8
4	7	18.4
PCPC Score		
1	17	36.2
2	6	12.8
3	5	10.6
4	19	40.4
PRISM Category		
1 (Lower risk)	40	85.1
2 (Higher risk)	7	14.9

Number of Patients with Discordant HLM from First Logistic Regression

Characteristic	n	%
Age Group		
1	15	30.6
2	6	12.2
3	14	28.6
4	14	28.6
PCPC Score		
1	26	43.3
2	11	18.3
3	6	10.0
4	17	28.3
PRISM Category		
1 (Lower risk)	55	91.7
2 (Higher risk)	5	8.3