

Predictions A, B and C (changes for July 2008 release)

The following tables show how Predictions A, B and C are calculated. The raw score value for each question is multiplied by the coefficient, and the products are summed for a final total hours value. It is important to note that the coefficients AND THE QUESTIONS OR SCALES used may change over time, to help maintain cost neutrality and improve predictive accuracy. While only the questions or scales with non-zero coefficients are displayed here, the system must be able to allow for additional questions to be added to this algorithm, and for the coefficients to change over time.

The raw score value for each question is listed below.

For all Supports Intensity Scale Questions

Type of Support	Frequency	Daily Task Time
ST00 = 0	FR00 = 0	DS00 = 0
ST01 = 1	FR01 = 1	DS01 = 1
ST02 = 2	FR02 = 2	DS02 = 2
ST03 = 3	FR03 = 3	DS03 = 3
ST04 = 4	FR04 = 4	DS04 = 4

Supported Living Level

- Level 1 = 0
- Level 2 = 1
- Level 3A = 2
- Level 3B = 3
- Level 4 = 4
- Level 5 = 5
- Level 6 = 6

Protective Supervision Questions

Monitor	Unexpected Situation	Summon Help
PA01 = 1	PA08 = 0	PA12 = 0
PA02 = 2	PA09 = 2	PA13 = 2
PA03 = 3	PA10 = 6	PA14 = 6
PA04 = 4	PA11 = 12	PA15 = 12
PA05 = 5		
PA06 = 6		
PA07 = 7		

For All Acuity Scales

- None = 0
- Low = 2
- Medium = 6
- High = 12

Assessed Age is the numeric value entered on the Assessment Main screen

Revisions to Table 64. Prediction A coefficients (7/1/2008 release)

Prediction A (Adj. R-square = 0.9052)				
SIS Question	SCA_QuestionCode	Type of Support	Frequency	Daily Task Time
A1	SQ25	0	0	1.2033
A2	SQ26	0	2.6969	-1.9092
A3	SQ27	2.0149	0	0
A4	SQ28	0	0	1.6589
A6	SQ30	1.1474	1.088	0
A7	SQ31	0	1.4431	0
A8	SQ32	0	0	1.1619
A9	SQ33	0.4616	0	0
C3	SQ36	-1.2764	0	2.7914
E1	SQ17	0	1.3590	2.4384
E2	SQ18	1.3892	0	-1.8463
E4	SQ20	0	-1.0758	2.7171
E5	SQ21	1.1866	0	-1.3218
F1	SQ51	0	0	0.9287
F7	SQ57	0	-2.1212	0
PA7	SQ49	-1.116	0	0
Supported Living Level		3.1500	NA	NA
Prot. Supv. Monitor		1.2206	NA	NA
Prot. Supv. Summon Help		0.1963	NA	NA
Behavior Acuity Level		0.2911	NA	NA
Medical Acuity Level		0.1820	NA	NA
Assessed Age		-0.0920	NA	NA

Revisions to Table 65. Prediction B coefficients (7/1/2008 release)

Prediction B (Adj. R-square = 0.9183)				
SIS Question	SCA_QuestionCode	Type of Support	Frequency	Daily Task Time
B1	SQ01	0	0.6537	-0.4604
B2	SQ02	-0.2796	0	0
B3	SQ03	0	0.7367	0
B4	SQ04	0	0	0.2541
B7	SQ07	0.4412	-0.6807	0
C1	SQ34	-0.6557	0	0
C3	SQ36	0	-0.4358	0
C9	SQ42	0.5098	0	0
D1	SQ09	0	0	0.7109
D2	SQ10	0	0	-0.9615
D5	SQ13	0	-0.9885	0
D6	SQ14	0.5115	1.2041	0
D7	SQ15	0	0	-0.6441
E5	SQ21	0.5751	0	0
E6	SQ22	0	1.0422	0
E8	SQ24	-0.8972	0	1.3897
F2	SQ52	0	1.0255	0
F5	SQ55	0	0	-0.8112
F7	SQ57	0	0	-0.4026
F8	SQ58	-1.1463	-0.8719	0.8284
PA5	SQ47	0	0.9634	0
PA7	SQ49	1.2570	0	0
PA8	SQ50	0	0.3773	0
Medical Acuity Level		-0.1434	NA	NA

Revisions to Table 66. Prediction C coefficients (7/1/2008 release)

Prediction C (Adj. R-square = 0.9080)				
SIS Question	SCA_QuestionCode	Type of Support	Frequency	Daily Task Time
B2	SQ02	0	0.8913	0
B5	SQ05	0.4188	0	0
C1	SQ34	-0.6158	-0.2835	0
C6	SQ39	0	0	0.4214
C9	SQ42	0	0.3048	0
D2	SQ10	-0.4545	0	0
D4	SQ12	0.3516	0	0
D8	SQ16	0.3843	0	0
E2	SQ18	0	-0.7624	0
E4	SQ20	0	0	-0.2327
E6	SQ22	0	0.4122	0
E8	SQ24	0	-0.4684	0
F6	SQ56	0	0	0.3598
F7	SQ57	0.2319	0	0
PA3	SQ45	0.3359	0	0
PA4	SQ46	0	0	0.5620
PA7	SQ49	0	0	-0.3672
Supported Living Level		0.8632	NA	NA
Prot. Supv. Unexp. Situation		-0.1759	NA	NA

Prediction D

Individual Habilitation Hours Base Rate

(Algorithm for July 2008 Release)

The following tables show how Predictions D, Individual Habilitation Hours, is calculated. Prediction D is similar to predictions A, B, and C and needs to have the same restrictions placed on it, such as the value cannot be less than zero. Another restriction for Prediction D is that it cannot be higher than the Habilitation Base Rate.

Prediction D coefficients (7/1/2008 release)

Prediction D (Adj. R-square = 0.7818)				
SIS Question	SCA_ QuestionCode	Type of Support	Frequency	Daily Task Time
A1	SQ25	0	0	2.835
A2	SQ26	0	1.4964	0
A6	SQ30	0	1.1561	0
C3	SQ36	0	0	1.4935
D5	SQ13	0	-1.6168	0
D6	SQ14	1.9834	0	0
E1	SQ17	0	0	2.1211
E2	SQ18	0	0	-0.9482
E4	SQ20	-1.4065	0	3.3874
E6	SQ22	-1.121	0	0
E7	SQ23	0	0	2.1259
E8	SQ24	0	0	1.2406
F7	SQ57	0	-1.6742	0
PA2	SQ44	2.4847	0	-2.0732
PA7	SQ49	-1.1612	0	0
Supported Living Level		3.1585	NA	NA
Behavior Acuity Level		0.5247	NA	NA
Medical Acuity Level		0.4428	NA	NA
Assessed Age		-0.1875	NA	NA