

**Table A1. Bivariable Associations of 6 Month Physical Measures with 6 Month Patient-Centered Outcomes (Standardized Estimates)**

	Health-Related Quality of Life		
	Alive at Home	SF-36 PCS	EQ-5D Utility
6 Month Physical Measures	Odds Ratio	Pearson r	Pearson r
<b>Body Structure and Function Measures</b>			
FEV1, each 10% predicted			
Combined Sample	1.03	0.19**	0.08
ICAP	1.32	0.10	-0.01
ALTOS	0.98	0.27**	0.18*
Arm muscle area, each 10%			
Combined Sample	1.10	0.16*	0.18**
ICAP	1.36	0.27**	0.14
ALTOS	1.00	0.10	0.16
MIP, each 10% predicted			
Combined Sample	1.07	0.20**	0.15*
ICAP	1.22	0.12	0.08
ALTOS	1.04	0.28**	0.23**
MMT, each 10% of maximum MRC score			
Combined Sample	1.17	0.32**	0.25**
ICAP	1.40	0.28**	0.17
ALTOS	1.08	0.38**	0.33**
Grip strength, each 10% predicted			
Combined Sample	1.07	0.19**	0.11
ICAP	1.29	0.21*	0.10
ALTOS	1.01	0.17*	0.12
<b>Activity Measures</b>			
6MWT, each 10% predicted			
Combined Sample	1.51*	0.43**	0.34**
ICAP	2.17*	0.43**	0.37**
ALTOS	1.40	0.48**	0.38**
4-m gait speed, each 0.11 m/sec (ALTOS only)	1.17	0.46**	0.44**
<b>Participation Measures</b>			
Number of ADL dependencies (ICAP only)	0.77	-0.06	-0.10
Number of IADL dependencies (ICAP only)	0.62	-0.46**	-0.38**
FPI-Total, per 0.20 unit‡ (ALTOS only)	1.34	0.59**	0.63**

**Table A2. Bivariable Associations of 6 Month Physical Measures with 12 Month Patient-Centered Outcomes  
(Standardized Estimates)**

<b>6 Month Physical Measures</b>	<b>Alive between 6 and 12M, OR</b>	<b>No Hospitalization between 6 and 12M, OR</b>	<b>Alive at Home at 12M, OR</b>	<b>SF-36 PCS Pearson r</b>	<b>EQ-5D Utility Pearson r</b>
<b>Body Structure and Function Measures</b>					
<b>FEV1, each 10% predicted</b>					
Combined Sample	1.11	1.09	1.00	0.18**	0.02
ICAP	1.83*	0.84	1.77*	0.12	-0.09
ALTOS	0.68	1.28*	0.75	0.22*	0.11
<b>Arm muscle area, each 10%</b>					
Combined Sample	1.04	0.94	1.11	0.08	0.09
ICAP	0.74	0.91	0.65	0.24*	0.17
ALTOS	1.20	0.98	1.22	0.03	0.03
<b>MIP, each 10% predicted</b>					
Combined Sample	1.41	1.07	1.17	0.15*	0.03
ICAP	1.69	1.06	1.24	0.01	-0.18
ALTOS	1.27	1.06	1.16	0.25**	0.20*
<b>MMT, each 10% of maximum MRC score</b>					
Combined Sample	0.99	1.09	1.17	0.32**	0.23**
ICAP	1.15	1.02	1.10	0.34**	0.03
ALTOS	0.81	1.14	1.24	0.31**	0.41**
<b>Grip strength, each 10% predicted</b>					
Combined Sample	0.87	1.11	0.98	0.08	0.05
ICAP	0.95	1.23	0.96	0.08	-0.10
ALTOS	0.80	1.04	0.99	0.09	0.13
<b>Activity Measures</b>					
<b>6MWT, each 10% predicted</b>					
Combined Sample	1.18	1.30**	1.14	0.42**	0.23**
ICAP	1.23	1.22	1.15	0.43**	0.22*
ALTOS	1.13	1.35*	1.19	0.44**	0.28**
<b>4-m gait speed, each 0.11 m/sec (ALTOS only)</b>	0.86	1.50*	1.02	0.42**	0.34**
<b>Participation Measures</b>					
<b>Number of ADL dependencies (ICAP only)</b>	0.84	0.95	0.88	0.01	0.00
<b>Number of IADL dependencies (ICAP only)</b>	0.51*	1.14	0.65*	-0.38**	-0.29**
<b>FPI-Total, per 0.20 unit‡ (ALTOS only)</b>	0.93	1.24	1.28	0.50**	0.42**

\* p<0.05; \*\* p<0.01

**Table A3. Independent Association of 6M Assessments with 6 Month Outcomes Based on Multiple Regression Models (Standardized Estimates)**

Variables	Alive at home 6M		SF-36 PCS 6M		EQ5D Utility 6M	
	ICAP (N=95)	ALTOS (N=133)	ICAP (N=99)	ALTOS (N=134)	ICAP (N=99)	ALTOS (N=133)
6 Month Physical Measures	Odds Ratio	Odds Ratio	beta	beta	beta	beta
<b>Body Structure &amp; Function</b>						
FEV1, each 10% predicted	1.49	0.88	0.00	0.12	-0.12	0.05
% muscle area, each 10%	1.55	0.94	0.24**	-0.06	0.13	-0.03
MIP, each 10% predicted	0.81	0.99	0.06	0.08	0.07	0.07
MMT, each 10% max MRC score	1.06	0.95	0.04	0.14	-0.03	0.05
Grip strength, each 10% predicted	0.70	0.96	-0.07	-0.07	-0.13	-0.08
<b>Activity</b>						
6 min walk, each 10% predicted	2.00	1.35	0.27*	0.17*	0.32**	0.05
4 meter walk speed (per 0.11 m/s)		0.92		0.13		0.16
<b>Participation</b>						
No. ADL dependencies (ICAP only)	0.73	--	0.04	--	-0.01	--
No. IADL dependencies (ICAP only)	0.90	--	-0.35**	--	-0.30**	--
FPI-Total, per 0.20 unit along 0-3 scale (ALTOS only)	--	1.30	--	0.40**	--	0.52**
<b>Model Fit; Variance Explained</b>	<b>AUC=0.88</b>	<b>AUC=0.75</b>	<b>R<sup>2</sup>=0.29</b>	<b>R<sup>2</sup>=0.43</b>	<b>R<sup>2</sup>=0.17</b>	<b>R<sup>2</sup>=0.41</b>

\* p<0.05; \*\* p<0.01

**Table A3. Independent Association of 6 Month Assessments with 6 Month Outcomes Based on Multiple Regression Models (Standardized Estimates)**

Variables	Alive at home 6M		SF-36 PCS 6M		EQ5D Utility 6M	
	ICAP (N=95)	ALTOS (N=133)	ICAP (N=99)	ALTOS (N=134)	ICAP (N=99)	ALTOS (N=133)
6 Month Physical Measures	Odds Ratio	Odds Ratio	beta	beta	beta	beta
<b>Body Structure &amp; Function</b>						
FEV1, each 10% predicted	1.49	0.88	0.00	0.12	-0.12	0.05
% muscle area, each 10%	1.55	0.94	0.24**	-0.06	0.13	-0.03
MIP, each 10% predicted	0.81	0.99	0.06	0.08	0.07	0.07
MMT, each 10% max MRC score	1.06	0.95	0.04	0.14	-0.03	0.05
Grip strength, each 10% predicted	0.70	0.96	-0.07	-0.07	-0.13	-0.08
<b>Activity</b>						
6 min walk, each 10% predicted	2.00	1.35	0.27*	0.17*	0.32**	0.05
4 meter walk speed (per 0.11 m/s)		0.92		0.13		0.16
<b>Participation</b>						
No. ADL dependencies (ICAP only)	0.73		0.04		-0.01	
No. IADL dependencies (ICAP only)	0.90		-0.35**		-0.30**	
FPI-Total, per 0.20 unit along 0-3 scale (ALTOS only)		1.30		0.40**		0.52**
<b>Model Fit; Variance Explained</b>	<b>AUC=0.88</b>	<b>AUC=0.75</b>	<b>R<sup>2</sup>=0.29</b>	<b>R<sup>2</sup>=0.43</b>	<b>R<sup>2</sup>=0.17</b>	<b>R<sup>2</sup>=0.41</b>

\* p<0.05; \*\* p<0.01

**Legend**

0 - .5   .5 - 1   1 - 1.5   1.5 - 2   2 - 2.6

abs. val 0 - .1   abs. val .1 - .2   abs. val .2 - .3   abs. val .3 - .4   abs. val .4 - .6

**Table A4. Independent Association of 6 Month Assessments with 12 Month Outcomes Based on Multiple Regression Models (Standardized Estimates)**

Variables	Alive between 6M and 12M		No Hospitalization between 6M and 12M		Alive at home 12M		SF-36 PCS 12M		EQ5D Utility 12M	
	ICAP (N=99)	ALTOS (N=134)	ICAP (N=81)	ALTOS (N=125)	ICAP (N=94)	ALTOS (N=133)	ICAP (N=90)	ALTOS (N=124)	ICAP (N=91)	ALTOS (N=125)
<b>6 Month Physical Measures</b>										
<b>Body Structure &amp; Function</b>										
FEV1, each 10% predicted	2.57	0.49	0.75	1.27	2.34*	0.62*	0.07	0.09	-0.07	0.01
% muscle area, each 10%	0.74	1.25	0.83	0.92	0.54	1.07	0.18	-0.14	0.16	-0.15
MIP, each 10% predicted	1.45	1.66	1.01	0.88	0.74	1.35	-0.05	0.08	-0.10	0.10
MMT, each 10% max MRC score	0.76	0.74	0.98	1.02	1.00	1.19	0.19	0.13	-0.07	0.30**
Grip strength, each 10% predicted	0.95	0.91	1.48	0.91	1.06	0.92	-0.22*	-0.16	-0.27*	-0.11
<b>Activity</b>										
6 min walk, each 10% predicted	0.53	1.34	1.39	1.12	0.66	1.23	0.34**	0.17	0.25*	0.04
4 meter walk speed (per 0.11 m/s)	--	0.68	--	1.37	--	0.72	--	0.16	--	0.10
<b>Participation</b>										
No. ADL dependencies (ICAP only)	0.81	--	0.95	--	0.92	--	0.08	--	0.03	--
No. IADL dependencies (ICAP only)	0.36*	--	1.57*	--	0.49*	--	-0.26*	--	-0.31**	--
FPI-Total, per 0.20 unit (ALTOS only)	--	1.08	--	1.06	--	1.31	--	0.35**	--	0.26**
<b>Model Fit; Variance Explained</b>	<b>AUC=0.95</b>	<b>AUC=0.83</b>	<b>AUC=0.74</b>	<b>AUC=0.71</b>	<b>AUC=0.91</b>	<b>AUC=0.78</b>	<b>R<sup>2</sup>=0.27</b>	<b>R<sup>2</sup>=0.34</b>	<b>R<sup>2</sup>=0.15</b>	<b>R<sup>2</sup>=0.23</b>

\* p<0.05; \*\* p<0.01

**Table A4. Independent Association of 6 Month Assessments with 12 Month Outcomes Based on Multiple Regression Models (Standardized Estimates)**

Variables	Alive between 6M and 12M		No Hospitalization between 6M and 12M		Alive at home 12M		SF-36 PCS 12M		EQ5D Utility 12M	
	ICAP (N=99)	ALTOS (N=134)	ICAP (N=81)	ALTOS (N=125)	ICAP (N=94)	ALTOS (N=133)	ICAP (N=90)	ALTOS (N=124)	ICAP (N=91)	ALTOS (N=125)
<b>Body Structure &amp; Function</b>										
FEV1, each 10% predicted	2.57	0.49	0.75	1.27	2.34*	0.62*	0.07	0.09	-0.07	0.01
% muscle area, each 10%	0.74	1.25	0.83	0.92	0.54	1.07	0.18	-0.14	0.16	-0.15
MIP, each 10% predicted	1.45	1.66	1.01	0.88	0.74	1.35	-0.05	0.08	-0.10	0.10
MMT, each 10% max MRC score	0.76	0.74	0.98	1.02	1.00	1.19	0.19	0.13	-0.07	0.30**
Grip strength, each 10% predicted	0.95	0.91	1.48	0.91	1.06	0.92	-0.22*	-0.16	-0.27*	-0.11
<b>Activity</b>										
6 min walk, each 10% predicted	0.53	1.34	1.39	1.12	0.66	1.23	0.34**	0.17	0.25*	0.04
4 meter walk speed (per 0.11 m/s)		0.68		1.37		0.72		0.16		0.10
<b>Participation</b>										
No. ADL dependencies (ICAP only)	0.81		0.95		0.92		0.08		0.03	
No. IADL dependencies (ICAP only)	0.36*		1.57*		0.49*		-0.26*		-0.31**	
FPI-Total, per 0.20 unit (ALTOS only)		1.08		1.06		1.31		0.35**		0.26**
<b>Model Fit; Variance Explained</b>	<b>AUC=0.95</b>	<b>AUC=0.83</b>	<b>AUC=0.74</b>	<b>AUC=0.71</b>	<b>AUC=0.91</b>	<b>AUC=0.78</b>	<b>R<sup>2</sup>=0.27</b>	<b>R<sup>2</sup>=0.34</b>	<b>R<sup>2</sup>=0.15</b>	<b>R<sup>2</sup>=0.23</b>

\* p<0.05; \*\* p<0.01

**Legend**

