

Table 4.1: Descriptive Statistics for FAAM 26-Item ADL Subscale

Item Content	Number missing	Mean	Median	SD	Skewness (Std. Error)	Kurtosis (Std. Error)
1) Standing	52(5.3%)	2.74	3	1.09	-0.55(.078)	-0.41(.16)
2) Walking on even ground	54(5.3%)	2.55	3	1.15	-0.57(.078)	-0.35(.16)
3) Walking on uneven ground without shoes	86(8.4%)	2.18	2	1.26	-0.26(.080)	-0.91(.16)
4) Walking up hills	81(7.9%)	2.00	2	1.17	-0.03(.080)	-0.83(.16)
5) Walking down hills	83(8.1%)	2.06	2	1.19	-0.09(.080)	-0.84(.16)
6) Going up stairs	57(5.6%)	2.29	2	1.13	-0.23(.079)	-0.68(.16)
7) Going down stairs	56(5.5%)	2.26	2	1.12	-0.18(.078)	-0.68(.16)
8) Walking on uneven ground	75(7.3%)	2.00	2	1.14	0.03(.079)	-0.77(.16)
9) Stepping up and down curbs	59(5.7%)	2.49	3	1.14	-0.41(.079)	-0.56(.16)
10) Squatting	117(11%)	2.16	2	1.39	-0.16(.081)	-1.23(.16)
11) Sleeping	66(6.4%)	3.35	4	0.87	-1.27(.079)	0.96(.16)
12) Coming up on your toes	102(9.9%)	1.96	2	1.34	-0.35(.080)	-1.33(.16)
13) Walking initially	74(7.2%)	2.41	3	1.24	-0.36(.079)	-0.84(.16)
14) Walking 5 minutes or less	64(6.2%)	2.69	3	1.25	-0.73(.079)	-0.43(.16)
15) Walking approximately 10 minutes	69(6.7%)	2.34	2	1.32	-0.33(.079)	-0.98(.16)
16) Walking 15 minutes or more	71(6.9%)	1.95	2	1.32	0.34(.079)	-1.22(.16)
17) Home responsibilities	48(4.7%)	2.61	3	1.17	-0.48(.078)	-0.65(.16)
18) Activities of daily living	52(5.1%)	2.70	3	1.04	-0.50(.078)	-0.45(.16)
19) Personal care	70(6.8%)	3.40	4	0.86	-1.32(.079)	1.00(.16)
20) Light to moderate work (standing and walking)	57(5.6%)	2.59	3	1.12	-0.60(.079)	-0.33(.16)
21) Heavy work (push/pulling, climbing, carrying)	74(7.2%)	1.81	2	1.30	0.12(.079)	-1.11(.16)
22) Recreational activities	92(9%)	1.58	2	1.24	0.20(.080)	-1.02(.16)
23) General level of pain	50(4.9%)	2.45	2	0.87	-0.98(.078)	-0.21(.16)
24) Pain at rest	44(4.3%)	3.14	3	0.81	-0.72(.078)	0.17(.16)
25) Pain during your normal activity	49(4.8%)	2.37	2	0.92	-0.02(.078)	-0.43(.16)
26) Pain first thing in the morning	48(4.7%)	2.52	3	1.07	-0.36(.078)	-0.57(.16)

Table: 4.2 Descriptive Statistics for FAAM Sports Subscale Items

Item Content	Number missing	Mean	Median	SD	Skewness (Std. Error)	Kurtosis (Std. Error)
1) Running	129(13%)	0.79	0	1.08	1.86(.082)	0.40(.16)
2) Jumping	144(14%)	0.81	0	1.12	1.24(.082)	0.53(.16)
3) Landing	153(15%)	1.81	0	1.11	1.23(.083)	0.51(.17)
4) Starting and stopping quickly	150(15%)	1.40	1	1.33	0.48(.083)	-1.00(.17)
5) Cutting/lateral movements	203(20%)	1.27	1	1.30	0.60(.085)	-0.85(.17)
6) Low impact activities	186(18%)	1.76	2	1.39	0.03(.084)	-1.29(.17)
7) Ability to perform activity with your normal technique	189(18%)	1.55	2	1.31	0.23(.084)	-1.15(.17)
8) Ability to participate in your desired sport as long as you would like	195(19%)	0.88	0	1.18	1.11(.085)	0.07(.17)

Table 4.3: Polychoric Correlation Matrix for the 26-Item Interim ADL Subscale

ITEM	1	2	3	4	5	6	7	8	9	10	11	12	13
1	1.0												
2	.80	1.0											
3	.75	.86	1.0										
4	.77	.82	.82	1.0									
5	.75	.84	.82	.94	1.0								
6	.72	.78	.76	.87	.85	1.0							
7	.70	.77	.73	.84	.86	.94	1.0						
8	.73	.81	.80	.89	.88	.82	.83	1.0					
9	.72	.80	.73	.82	.82	.84	.86	.83	1.0				
10	.60	.66	.65	.76	.76	.74	.71	.77	.72	1.0			
11	.58	.52	.51	.53	.52	.53	.51	.51	.54	.53	1.0		
12	.55	.62	.64	.71	.70	.64	.65	.70	.66	.71	.42	1.0	
13	.70	.76	.71	.74	.72	.69	.69	.74	.73	.60	.47	.61	1.0
14	.71	.82	.76	.81	.81	.80	.79	.78	.79	.68	.52	.68	.83
15	.70	.81	.75	.82	.81	.80	.78	.79	.79	.69	.51	.70	.78
16	.67	.79	.74	.81	.80	.77	.75	.80	.77	.70	.51	.70	.74
17	.72	.73	.72	.79	.77	.79	.77	.77	.75	.71	.58	.66	.68
18	.68	.70	.69	.75	.75	.76	.73	.73	.72	.66	.54	.63	.66
19	.63	.63	.63	.67	.67	.71	.65	.61	.68	.62	.57	.58	.61
20	.74	.82	.78	.84	.82	.81	.78	.80	.81	.71	.58	.62	.76
21	.68	.70	.72	.81	.78	.78	.74	.80	.74	.73	.55	.70	.63
22	.56	.64	.62	.68	.69	.65	.63	.67	.63	.59	.42	.62	.58
23	.47	.43	.42	.39	.38	.37	.38	.38	.41	.24	.44	.25	.39
24	.49	.43	.40	.42	.40	.41	.40	.37	.36	.30	.61	.27	.38
25	.54	.55	.54	.54	.53	.53	.54	.51	.51	.42	.53	.35	.48
26	.35	.34	.33	.29	.29	.28	.31	.33	.26	.21	.42	.18	.41

ITEM	14	15	16	17	18	19	20	21	22	23	24	25	26
14	1.0												
15	.95	1.0											
16	.89	.97	1.0										
17	.77	.76	.75	1.0									
18	.74	.74	.72	.90	1.0								
19	.67	.67	.66	.78	.77	1.0							
20	.83	.83	.81	.84	.84	.75	1.0						
21	.73	.77	.78	.86	.78	.74	.83	1.0					
22	.65	.68	.70	.73	.73	.64	.71	.77	1.0				
23	.37	.34	.37	.39	.42	.33	.45	.32	.30	1.0			
24	.36	.34	.34	.42	.43	.43	.43	.33	.31	.72	1.0		
25	.51	.53	.49	.51	.57	.48	.59	.49	.40	.80	.67	1.0	
26	.29	.27	.26	.30	.32	.30	.32	.24	.18	.61	.63	.60	1.0

Table 4.4: Factor Loading of each Item to the First Two Principal Components for the 26-Item ADL Subscale

	PC 1	PC 2
1) Standing	0.83	0.10
2) Walking on even ground	0.89	-0.02
3) Walking on uneven ground without shoes	0.86	-0.02
4) Walking up hills	0.93	-0.11
5) Walking down hills	0.92	-0.12
6) Going up stairs	0.90	-0.10
7) Going down stairs	0.88	-0.09
8) Walking on uneven ground	0.90	-0.12
9) Stepping up and down curbs	0.88	-0.09
10) Squatting	0.80	-0.19
11) Sleeping	0.65	0.33
12) Coming up on your toes	0.75	-0.22
13) Walking initially	0.82	-0.01
14) Walking 5 minutes or less	0.90	-0.13
15) Walking approximately 10 minutes	0.90	-0.16
16) Walking 15 minutes or greater	0.89	-0.16
17) Home responsibilities	0.89	-0.07
18) Activities of daily living	0.86	-0.01
19) Personal care	0.80	-0.01
20) Light to moderate work (standing and walking)	0.92	-0.03
21) Heavy work (push/pulling, climbing, carrying)	0.87	-0.16
22) Recreational activities	0.76	-0.17
23) General level of pain	0.50	0.73
24) Pain at rest	0.52	0.71
25) Pain during your normal activity	0.65	0.59
26) Pain first thing in the morning	0.40	0.71

Table 4.5: Polychoric Correlation Matrix for the 22-Item ADL Subscale

ITEM	1	2	3	4	5	6	7	8	9	10	11
1	1.0										
2	.80	1.0									
3	.74	.87	1.0								
4	.77	.84	.82	1.0							
5	.75	.84	.82	.94	1.0						
6	.73	.78	.76	.88	.85	1.0					
7	.70	.77	.73	.84	.86	.94	1.0				
8	.73	.82	.80	.89	.88	.82	.83	1.0			
9	.72	.80	.73	.82	.81	.84	.83	.83	1.0		
10	.61	.66	.65	.76	.73	.74	.71	.78	.72	1.0	
11	.59	.54	.52	.54	.53	.54	.52	.52	.55	.56	1.0
12	.55	.62	.63	.70	.70	.63	.64	.70	.65	.70	.43
13	.71	.76	.71	.74	.73	.70	.69	.75	.74	.60	.48
14	.71	.82	.76	.81	.82	.80	.79	.79	.79	.69	.53
15	.69	.81	.75	.82	.82	.80	.78	.79	.98	.69	.52
16	.68	.79	.74	.81	.81	.77	.75	.80	.77	.69	.51
17	.72	.73	.73	.79	.78	.80	.77	.77	.75	.71	.59
18	.68	.70	.69	.76	.75	.76	.73	.72	.71	.66	.55
19	.64	.64	.64	.67	.67	.71	.66	.62	.68	.62	.59
20	.80	.83	.78	.84	.82	.81	.78	.81	.61	.71	.59
21	.68	.70	.72	.81	.79	.78	.75	.80	.74	.73	.56
22	.55	.63	.62	.68	.68	.65	.63	.67	.63	.58	.42

ITEM	12	13	14	15	16	17	18	19	20	21	22
12	1.0										
13	.62	1.0									
14	.69	.83	1.0								
15	.71	.78	.96	1.0							
16	.70	.74	.90	.97	1.0						
17	.66	.69	.77	.77	.75	1.0					
18	.64	.67	.74	.74	.72	.90	1.0				
19	.59	.61	.68	.68	.67	.78	.77	1.0			
20	.63	.77	.84	.83	.81	.84	.84	.76	1.0		
21	.70	.64	.74	.77	.78	.86	.80	.74	.83	1.0	
22	.63	.58	.66	.68	.70	.73	.74	.64	.71	.77	1.0

Table 4.6: Factor Loading of each Item to the First Principal Component for the 22-Item ADL Subscale

	PC 1
1) Standing	0.82
2) Walking on even ground	0.89
3) Walking on uneven ground without shoes	0.87
4) Walking up hills	0.93
5) Walking down hills	0.92
6) Going up stairs	0.91
7) Going down stairs	0.89
8) Walking on uneven ground	0.91
9) Stepping up and down curbs	0.89
10) Squatting	0.81
11) Sleeping	0.66
12) Coming up on your toes	0.77
13) Walking initially	0.82
14) Walking 5 minutes or less	0.91
15) Walking approximately 10 minutes	0.91
16) Walking 15 minutes or more	0.89
17) Home responsibilities	0.89
18) Activities of daily living	0.86
19) Personal care	0.79
20) Light to moderate work (standing and walking)	0.92
21) Heavy work (push/pulling, climbing, carrying)	0.88
22) Recreational activities	0.77

Table 4.7: Polychoric Correlation Matrix for the Sports Subscale

ITEM	1	2	3	4	5	6	7	8
1	1.0							
2	0.93	1.0						
3	0.91	0.97	1.0					
4	0.80	0.85	0.84	1.0				
5	0.81	0.85	0.85	0.90	1.0			
6	0.85	0.86	0.85	0.81	0.85	1.0		
7	0.80	0.83	0.82	0.81	0.84	0.90	1.0	
8	0.86	0.86	0.84	0.76	0.78	0.78	0.83	1.0

Table 4.8: Factor Loading of each Item to the First Principal Component

	PC 1
1) Running	0.94
2) Jumping	0.96
3) Landing	0.95
4) Starting and stopping quickly	0.91
5) Cutting/lateral movements	0.92
6) Low impact activities	0.93
7) Ability to perform activity with your normal technique	0.92
8) Ability to participate in your desired sport as long as you would like	0.90

**Table 4.9: Parameter Estimates for the 22-Item ADL Subscale using the Two
Parameter Graded Response Model**

Item content	Item Discrimination Parameters (SE)		Threshold Parameters (SE)			
	a₁	b₁	b₂	b₃	b₄	
1) Standing	1.63(0.09)	-3.21(0.19)	-1.99(0.10)	-0.46(0.07)	0.86(0.09)	
2) Walking on even ground	2.37(0.11)	-2.36(0.12)	-1.50(0.08)	-0.25(0.06)	1.13(0.07)	
3) Walking on uneven ground without shoes	1.97(0.11)	-1.89(0.10)	-0.97(0.08)	0.20(0.07)	1.55(0.09)	
4) Walking up hills	3.27(0.21)	-1.86(0.08)	-0.62(0.05)	0.54(0.04)	1.76(0.08)	
5) Walking down hills	2.97(0.17)	-1.88(0.10)	-0.69(0.05)	0.45(0.05)	1.66(0.08)	
6) Going up stairs	2.42(0.12)	-2.40(0.11)	-1.07(0.07)	0.20(0.05)	1.51(0.08)	
7) Going down stairs	2.23(0.11)	-2.43(0.12)	-1.02(0.07)	0.27(0.06)	1.60(0.09)	
8) Walking on uneven ground	2.44(0.13)	-2.11(0.10)	-0.59(0.06)	0.61(0.06)	1.92(0.10)	
9) Stepping up and down curbs	2.25(0.12)	-2.58(0.14)	-1.37(0.08)	-0.06(0.06)	1.22(0.07)	
10) Squatting	1.50(0.09)	-1.79(0.12)	-0.74(0.09)	0.26(0.08)	1.32(0.10)	
11) Sleeping	0.77(0.08)	-7.51(0.94)	-4.71(0.46)	-2.54(0.23)	-.45(0.13)	
12) Coming up on your toes	1.33(0.09)	-1.38(0.11)	-0.49(0.09)	0.48(0.09)	1.76(0.13)	
13) Walking initially	1.63(0.09)	-2.41(0.14)	-1.22(0.09)	-0.08(0.07)	1.21(0.09)	
14) Walking 5 minutes or less	2.52(0.14)	-2.20(0.11)	-1.44(0.07)	-0.46(0.05)	0.65(0.06)	
15) Walking approximately 10 minutes	2.49(0.13)	-1.85(0.09)	-0.98(0.07)	0.07(0.06)	1.04(0.07)	
16) Walking 15 minutes or more	2.18(0.13)	-1.55(0.09)	-0.45(0.07)	0.55(0.06)	1.61(0.08)	
17) Home responsibilities	2.03(0.11)	-2.79(0.14)	-1.51(0.08)	0.35(0.06)	0.91(0.07)	
18) Activities of daily living	1.84(0.10)	-3.50(0.20)	-1.85(0.10)	-0.53(0.07)	1.04(0.08)	
19) Personal care	1.28(0.10)	-5.44(0.62)	-3.66(0.24)	-1.94(0.13)	-.56(0.09)	
20) Light to moderate work (standing and walking)	2.44(0.13)	-2.61(0.12)	-1.54(0.08)	-0.42(0.06)	1.12(0.07)	
21) Heavy work (push/pulling/climbing/carrying)	1.92(0.11)	-1.44(0.09)	-0.36(0.07)	0.67(0.07)	1.86(0.11)	
22) Recreational activities	1.26(0.09)	-1.31(0.12)	-0.22(0.10)	1.26(0.10)	2.86(0.20)	

Table 4.10: Parameter Estimates for the Sports Subscale using the Two Parameter Graded Response Model

Item content	Item Discrimination Parameters (SE)		Threshold Parameters (SE)		
	a_1	b_1	b_2	b_3	b_4
1) Running	3.64(0.24)	0.03(0.05)	0.74(0.05)	1.55(0.07)	2.44(0.13)
2) Jumping	5.32(0.42)	0.04(0.05)	0.63(0.04)	1.49(0.05)	2.02(0.09)
3) Landing	4.76(0.35)	0.01(0.05)	0.67(0.04)	1.49(0.05)	2.09(0.09)
4) Starting and stopping quickly	2.35(0.16)	-.59(0.07)	0.18(0.06)	0.98(0.08)	1.83(0.12)
5) Cutting/lateral movements	2.44(0.16)	-.49(0.07)	0.25(0.06)	1.08(0.08)	1.91(0.12)
6) Low impact activities	2.73(0.18)	-.87(0.07)	-.41(0.05)	0.43(0.06)	1.51(0.08)
7) Ability to perform activity with your normal technique	2.44(0.15)	-.75(0.07)	-.17(0.06)	0.81(0.07)	1.90(0.12)
8) Ability to participate in your desired sport as long as you would like	2.39(0.16)	0.09(0.07)	0.72(0.06)	1.52(0.09)	2.34(0.16)

**Table 4.11: Correlation of each Item to the First Principal Component for the ADL
Subscale for the Group Expected to Change**

Item Content	PC 1
1) Standing	0.81
2) Walking on even ground	0.90
3) Walking on uneven ground without shoes	0.84
4) Walking up hills	0.93
5) Walking down hills	0.93
6) Going up stairs	0.90
7) Going down stairs	0.92
8) Walking on uneven ground	0.90
9) Stepping up and down curbs	0.92
10) Squatting	0.84
11) Coming up on your toes	0.78
12) Walking initially	0.83
13) Walking 5 minutes or less	0.90
14) Walking approximately 10 minutes	0.91
15) Walking 15 minutes or more	0.89
16) Home responsibilities	0.90
17) Activities of daily living	0.82
18) Personal care	0.71
19) Light to moderate work (standing and walking)	0.86
20) Heavy work (push/pulling, climbing, carrying)	0.87
21) Recreational activities	0.67

Table 4.12: Correlation of each Item to the First Two Principal Components for the ADL Subscale for the Group Expected to Remain Stable

Item Content	PC 1	PC2
1) Standing	0.85	-0.14
2) Walking on even ground	0.87	0.05
3) Walking on uneven ground without shoes	0.70	-0.16
4) Walking up hills	0.88	-0.18
5) Walking down hills	0.87	-0.18
6) Going up stairs	0.87	-0.16
7) Going down stairs	0.89	-0.15
8) Walking on uneven ground	0.79	0.03
9) Stepping up and down curbs	0.73	-0.09
10) Squatting	0.68	0.23
11) Coming up on your toes	0.81	0.12
12) Walking initially	0.78	-0.11
13) Walking 5 minutes or less	0.79	-0.34
14) Walking approximately 10 minutes	0.80	-0.28
15) Walking 15 minutes or greater	0.76	-0.12
16) Home responsibilities	0.79	0.35
17) Activities of daily living	0.78	0.04
18) Personal care	0.28	0.88
19) Light to moderate work (standing and walking)	0.88	0.19
20) Heavy work (push/pulling, climbing, carrying)	0.82	0.38
21) Recreational activities	0.71	0.29

Table 4.13: Correlation of each Item to the First Principal Component for the Sports Subscale for the Group Expected to Change, the Group Expected to Remain Stable and the Groups Combined

Item Content	Group Expected to Change PC 1	Group Expected to Remain Stable PC 1	Groups Combined PC 1
1) Running	0.89	0.92	0.95
2) Jumping	0.92	0.93	0.96
3) Landing	0.92	0.90	0.96
4) Starting and stopping quickly	0.91	0.83	0.94
5) Cutting/lateral movements	0.91	0.86	0.94
6) Low impact activities	0.87	0.81	0.91
7) Ability to perform activity with your normal technique	0.87	0.90	0.93
8) Ability to participate in your desired sport as long as you would like	0.83	0.88	0.92

**Table 4.14: Item to Score Correlation and Coefficient Alpha with each Item Deleted
for the ADL Subscale for Group Expect to Change and the Group Expected to
Remain Stable**

Item Content	Group Expected to Change		Group Expected to Remain Stable	
	Item to Total Score Correlation	Coefficient Alpha with Item Deleted	Item to Total Score Correlation	Coefficient Alpha with Item Deleted
1) Standing	0.79	0.98	0.83	0.96
2) Walking on even ground	0.88	0.98	0.83	0.96
3) Walking on uneven ground without shoes	0.83	0.98	0.67	0.96
4) Walking up hills	0.92	0.98	0.87	0.96
5) Walking down hills	0.92	0.98	0.86	0.96
6) Going up stairs	0.89	0.98	0.84	0.96
7) Going down stairs	0.91	0.98	0.86	0.96
8) Walking on uneven ground	0.88	0.98	0.77	0.96
9) Stepping up and down curbs	0.91	0.98	0.70	0.96
10) Squatting	0.82	0.98	0.66	0.96
11) Coming up on your toes	0.76	0.98	0.79	0.96
12) Walking initially	0.81	0.98	0.76	0.96
13) Walking 5 minutes or less	0.89	0.98	0.74	0.96
14) Walking approximately 10 minutes	0.90	0.98	0.76	0.96
15) Walking 15 minutes or more	0.88	0.98	0.73	0.96
16) Home responsibilities	0.88	0.98	0.76	0.96
17) Activities of daily living	0.79	0.98	0.75	0.96
18) Personal care	0.69	0.98	0.27	0.96
19) Light to moderate work (standing and walking)	0.84	0.98	0.86	0.96
20) Heavy work (push/pulling, climbing, carrying)	0.85	0.98	0.81	0.96
21) Recreational activities	0.64	0.98	0.69	0.96

Table 4.15: Analysis of Variance Summary Table for the Initial and Final ADL Subscale scores for the Group Expected to Change and the Group Expected to Remain Stable.

Source	Type III Sum of Squares	df	Mean Square	F-value	Sig
Time	6012.455	1	6012.455	41.074	p<.001
Time * Group	6230.304	1	6230.304	42.562	p<.001
Error	29568.930	202	146.381		

Table 4.16: Analysis of Variance Summary Table for the Initial and Final Sports Subscale scores for the Group Expected to Change and the Group Expected to Remain Stable.

Source	Type III Sum of Squares	df	Mean Square	F-value	Sig
Time	5289.264	1	5289.264	22.377	p<.001
Time * Group	5310.420	1	5310.420	22.466	p<.001
Error	39001.365	165	236.372		

Table 4.17: The Cut-point, Sensitivity, Specificity, Area Under the ROC Curves, Standard Errors Associated with these Areas, the Correlation Coefficients between Area and Critical Ratio z for the ADL Subscale and the General Measures of Functional Status

	Cut-point	Sensitivity	Specificity	Area	SE Area	r value	z-score
ADL Subscale	4	0.79	0.88	0.81	0.033	0.62	2.86
SF-36 Physical Function Subscale	6	0.51	0.95	0.72	0.037		
ADL Subscale	4	0.80	0.87	0.82	0.035	0.61	5.22
SF-36 Physical Component Summary Score	5	0.43	0.91	0.64	0.044		

Table 4.18: The Cut-point, Sensitivity, Specificity, Area Under the ROC Curves, Standard Errors Associated with these Areas, the Correlation Coefficients between Area and Critical Ratio z for the Sports Subscale and the General Measures of Functional Status

	Cut-point	Sensitivity	Specificity	Area	SE Area	r value	z-score
Sports Subscale	5	0.64	0.81	0.73	0.041	0.45	0.37
SF-36 Physical Function Subscale	1	0.63	0.83	0.71	0.041		
Sports Subscale	5	0.63	0.82	0.73	0.032	0.45	2.11
SF-36 Physical Component Summary Score	3	0.50	0.78	0.57	0.042		

Table 4.19: The Cut-point, Sensitivity, Specificity, Area Under the ROC Curves, Standard Errors Associated with these Areas, Correlation Coefficients between Area and Critical Ratio z for the ADL and Sports Subscales Compared to Global Rating of Function

	Cut-point	Sensitivity	Specificity	Area	SE Area	r value	z-score
ADL Subscale	4	0.75	0.87	0.80	0.033	0.59	-0.10
Global Rating for Activities of Daily Living	7	0.69	0.91	0.82	0.033		
Sports Subscale	4	0.65	0.81	0.74	0.040	0.69	-0.13
Global Rating for Sports	1	0.64	0.75	0.75	0.039		

**Table 4.20: Correlation Coefficients between the ADL and Sports subscales to
Concurrent Measures of Physical and Emotional Function**

	ADL Subscale	Sports Subscale
Physical Function Subscale	0.84	0.78
Physical Component Summary Score	0.78	0.73
Global Rating	0.83	0.89
Mental Health Subscale	0.18	0.11
Mental Components Summary Score	0.05	-0.02

Table 5.1: Change on FAAM ADL and Sports Subscales and Perceived Change in Status in the Group Expected to Remain Stable

Subject Number	ADL Subscale Change	Sports Subscale Change	Perceived Change in Status
177	0	-4	Slightly Better
183	0	3	Slightly Worse
184	0	0	Much Better
202	Missing Information	0	Somewhat Better
204	0	Missing Information	Slightly Worse
206	-13	-19	Somewhat Worse
207	0	0	Much Better
212	5	31	Slightly Better
237	24	0	Somewhat Better
238	-1	-3	Somewhat Better
240	0	-25	Much Better
241	Missing Information	Missing Information	Slightly Worse
253	-9	0	Slightly Worse
254	-10	-28	Much Worse

Table A1: Ratings for Functional Limitations/Disability Category

Potential Items	<u>Mean Rating</u>
Running	1.9
Use of an assistive device	1.9
Standing	1.9
Cutting/lateral movements	1.8
Ability to negotiate uneven terrain	1.8
Ability to negotiate stairs	1.7
Activities of daily living	1.7
Starting and stopping quickly	1.7
Work	1.7
Ability to jump	1.7
Walking without shoes	1.5
Home responsibilities	1.5
Stand on tip toes	1.5
Recreational activities	1.4
Ability to land	1.3
Ability to squat	1.3
Ability to negotiate curbs	1.2
Personal care	1.2
Ability to sleep	1.1
Getting up from chair	1
Working in hard-soled shoes	0.9
Working in soft-soled shoes	0.9
Ability to engage gardening and yard work	0.9
Foot causes individual to stay inside	0.9
Interference with social activities	0.9
Walking inside	0.7
Walking outside	0.7
Foot causes individual to stay in bed	0.5

Table A2:Ratings for Walking Category

Potential Items	<u>Mean Rating</u>
Ability to walk normally	1.8
Use of assistive device	1.8
Limitations at onset of walking	1.5
Tolerance for walking greater than 15 minutes	1.2
Tolerance for walking 5 minutes or less	1.2
Tolerance for walking 10 minutes or less	1.1
Tolerance for walking 1 block or less	1.1
Tolerance for walking greater than 6 blocks	0.9
Tolerance for walking 15 minutes or less	0.8
Tolerance for walking 1-3 blocks	0.7
Tolerance for walking 4-6 blocks	0.7

Table A3: Ratings for Stairs Category

Potential Items	<u>Mean Rating</u>
Level of assistance	1.7
Use of an assistive device	1.6
Ability to perform activity	1.5
Tolerance for activity with reference to # flights climbed	0.9
Limitations at onset of activity	0.9
Tolerance for activity with reference to time	0.6

Table A4: Ratings for Sports Category

Potential Items	<u>Mean Rating</u>
Ability to use normal technique	1.9
Ability to participate in low impact activities	1.7
Ability to participate in high impact activities	1.7
Performance	1.6
Time participating	1.6

Table A5: Ratings for Work Category

Potential Items	<u>Mean Rating</u>
Heavy work – carrying, lifting, pushing, pulling, climbing	1.4
Light to moderate work – prolonged walking, standing	1.3
Sitting work	0.6

Table A6: Ratings for Symptoms Category

Potential Items	<u>Mean Rating</u>
Giving way/instability	1.8
Limping	1.8
Pain at rest	1.7
Swelling	1.7
Tingling (pins and needles)	1.6
Stiffness	1.6
Weakness	1.5
General level of pain	1.3
Pain at night	1.2
Pain in the morning	1.1
Pain at the end of the day	0.9
Pain in the mid-day	0.4

Table A7: Ratings for Other Possible Items of Interest Category

Potential Items	<u>Mean Rating</u>
Need for medication	1.7
Cosmesis	0.4
Ability to wear different shoe types	1.3
Psychological aspect – i.e. individual feels less confident or less capable because of foot/ankle problem	1.1