

Supplement: Sensitivity analyses report

Abbrev.: IBBIS: Integregert Behandlings- og BeskaeftigelsesIndsats til Sygedagpengemodtagere (English translation: Integrated Health Care and Vocational Rehabilitation for Sick Leave Benefit Recipients); HR: Hazard Ratio; INT: Integrated intervention; MHC: Mental health care; RCT: Randomized controlled trial; RTW: Return to work; SAU: Service as usual; OR: Odds Ratio; RR: Relative risk; FUn: n-month follow-up

Table legends: “Est.”: Estimate “p”: p-value “low/high CI”: Low vs. high bounds of the 98.3% Confidence Interval of the estimate.

Legend: *: $0.05 > p > 0.016667$ | **: $p < 0.016667$

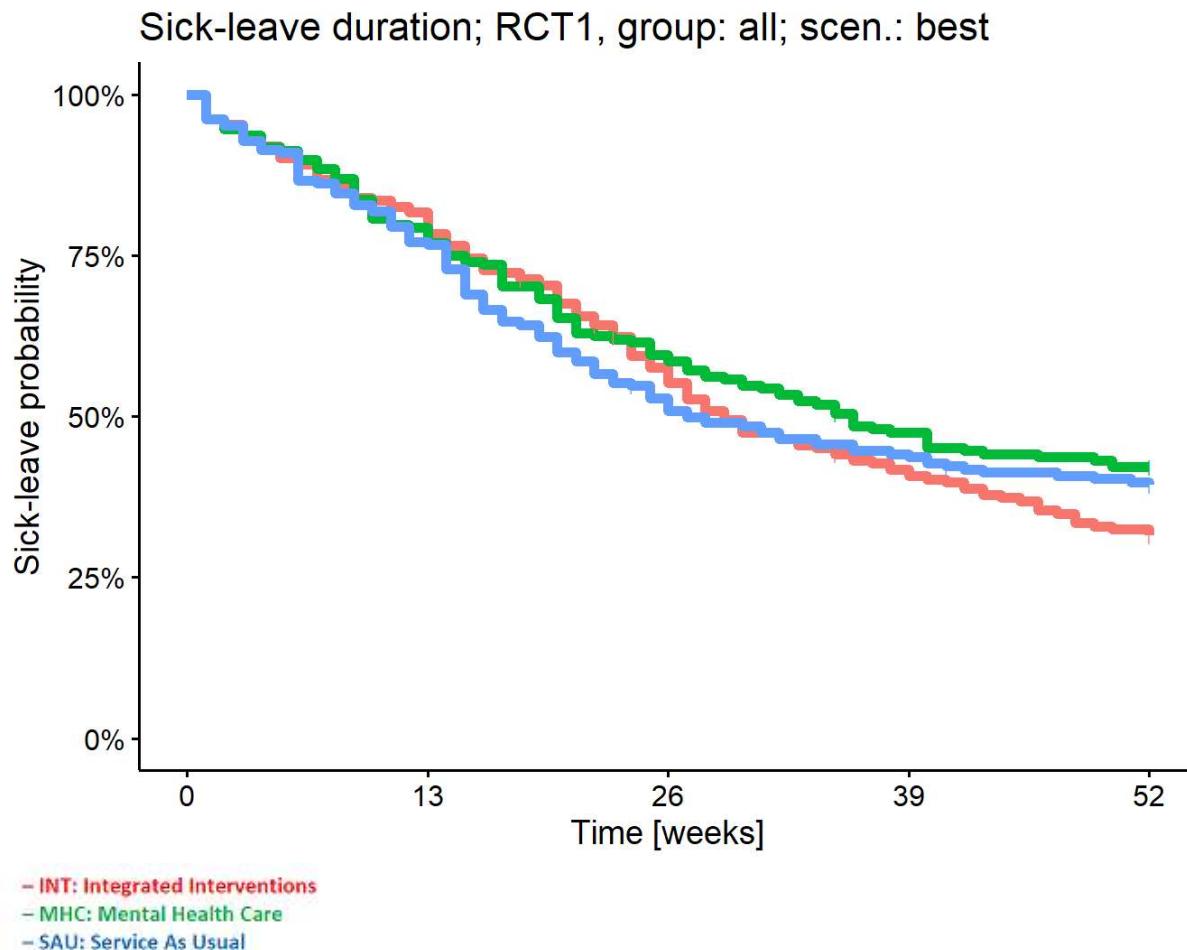
In this document the term RCT1 refers to this RCT

Sensitivity analysis

All sensitivity analysis are performed using the entire group (consult the statistical analysis plan for details)

Sensitivity scenario: >best<

Kaplan Meier-curve at 12-month follow-up regarding: RCT1



Vocational outcomes at 12-month follow-up from scenario >best< in RCT1

	Group values			SAU-MHC			SAU-INT			MHC-INT					
	INT	MHC	SAU	Est.	p	low CI	high CI	Est.	p	low CI	high CI	Est.	p	low CI	high CI
RTW, FU12 [weeks, HR]	29.0	36.0	27.0	1.14	0.32	0.83	1.57	0.96	0.71	0.71	1.29	0.82	0.12	0.60	1.12
RTW, FU6 [HR]				1.29	0.09	0.90	1.87	1.22	0.19	0.85	1.74	0.94	0.68	0.64	1.36

Vocational outcomes at 12-month follow-up from scenario >best< in RCT1

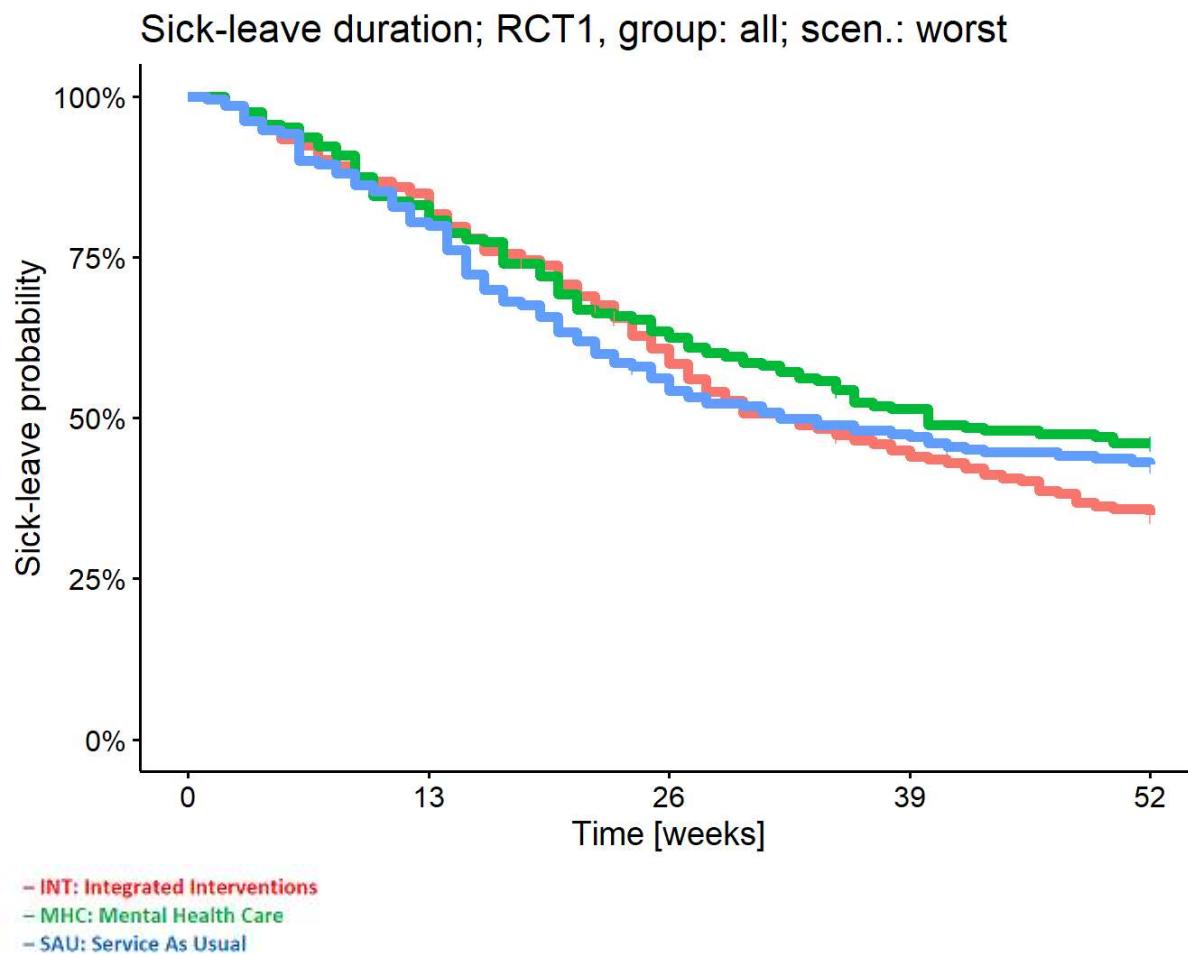
	Group values		SAU-MHC				SAU-INT				MHC-INT				
			INTMHCSAU	Est.	p	low CI	high CI	Est.	p	low CI	high CI	Est.	p	low CI	high CI
PROP, FU12 [%], OR]	57.7	45.9	46.9	1.08	0.72	0.65	1.78	0.64	*0.0293	0.39	1.05	0.59	**0.012	0.36	0.98
WEEKS, FU12 [weeks, RR]	19.4	17.2	18.8	1.12	0.27	0.88	1.42	0.97	0.77	0.78	1.21	0.87	0.16	0.69	1.10

Self-reported outcomes at 24-month follow-up regarding scenario: best (RCT1)

	Group values			SAU-MHC				SAU-INT				MHC-INT			
	INT (SD)	MHC (SD)	SAU (SD)	Est.	p	low CI	high CI	Est.	p	low CI	high CI	Est.	p	low CI	high CI
BAI [FU6]	10.21(10.18)	9.84(10.51)	10.29(11.51)	0.3	0.77-2.16	2.75	0.15	0.88-2.21	2.5	-0.12	0.9-2.41	2.17			
BDI [FU6]	9.87(10.94)	9.55(11.48)	10.29(13.38)	0.5	0.64-2.08	3.08	0.27	0.8-2.23	2.76	-0.23	0.82-2.62	2.16			
PSS [FU6]	14.66 (8.45)	14.08 (8.18)	15.19 (9.32)	1.01	0.16-0.71	2.72	0.52	0.47 -1.2	2.23	-0.5	0.46-2.13	1.13			
KES [FU6]	59.86(21.18)	59.93(21.43)	60.08(23.71)	-0.18	0.92-4.66	4.29	0.4	0.83-3.99	4.78	0.56	0.75-3.68	4.81			
DSQ-som. [FU6]	6.44 (7.61)	6.56 (7.83)	6.58 (8.3)	-0.04	0.96-1.81	1.74	0.14	0.84-1.58	1.87	0.21	0.77 -1.5	1.91			
DSQ-distr. [FU6]	10.05 (9.35)	10.08 (9.62)	9.5(10.45)	-0.69	0.41 -2.7	1.32	-0.61	0.46-2.58	1.36	0.06	0.94-1.84	1.96			
DSQ-anx. [FU6]	2.05 (5.62)	2.18 (6.03)	1.68 (6.41)	-0.56	0.35-2.03	0.9	-0.39	0.51-1.81	1.03	0.18	0.75-1.21	1.58			
DSQ-depr. [FU6]	0.69 (3.18)	0.65 (3.26)	0.93 (4.04)	0.25	0.47-0.58	1.09	0.22	0.51-0.59	1.04	-0.04	0.91-0.82	0.75			
WSAS [FU6]	10.72(11.62)	11.32(12.44)	10.39(13.05)	-0.95	0.36-3.42	1.52	-0.26	0.8-2.62	2.11	0.68	0.49-1.66	3.03			
SPS [FU6]	22.85 (3.72)	23.32 (3.43)	23.64 (3.73)	0.28	0.45-0.59	1.14	0.74	*0.046-0.15	1.62	0.48	0.18-0.38	1.33			
IPQ [FU6]	18.48 (3.93)	18.2 (4.42)	18.14 (5.16)	-0.09	0.84 -1.1	0.93	-0.31	0.44-1.27	0.66	-0.2	0.6-1.14	0.73			
GSS [FU6]	29.02 (7.89)	29.09 (8.06)	29.44 (8.79)	0.3	0.69-1.48	2.09	0.34	0.64-1.42	2.11	0.04	0.95-1.68	1.76			
RTW-SE [FU6]	28.16(10.62)	27.33(10.94)	28.09(11.75)	0.78	0.4-1.46	3.02	-0.25	0.79-2.45	1.95	-1.04	0.24-3.16	1.09			
QoLs [FU6]	64.25(17.89)	63.39(18.33)	59.21(19.01)	-3.44	*0.0337-7.33	0.44	-4.84	**0.0023-8.64	-1.04	-1.37	0.38-5.12	2.38			
EQ5 [FU6]	0.83 (0.18)	0.84 (0.18)	0.85 (0.2)	0.01	0.56-0.03	0.05	0.02	0.37-0.03	0.06	0.01	0.76-0.04	0.05			
IS [FU6]	28.3 (5.56)	27.42 (6.2)	24.58 (9.01)	-2.92	**2e-04-4.76	-1.08	-3.89	**0-5.62	-2.15	-0.98	0.09-2.36	0.41			
BAI [FU12]	7.55(11.06)	6.8(10.96)	6.51(11.62)	-0.22	0.83-2.73	2.28	-1.04	0.31 -3.5	1.41	-0.79	0.42-3.15	1.58			
BDI [FU12]	5.89(12.82)	6.07 (12.8)	5.63(14.55)	-0.53	0.65-3.34	2.27	-0.45	0.69 -3.2	2.3	0.09	0.93 -2.5	2.69			
PSS [FU12]	11.71 (9.41)	11.72 (9.29)	10.94 (9.72)	-0.83	0.3-2.72	1.07	-0.86	0.27-2.76	1.03	-0.05	0.95-1.87	1.78			
KES [FU12]	46.59(23.44)	47.14 (23.9)	46.16(25.49)	-0.94	0.65-5.89	4.01	-0.57	0.78-5.44	4.3	0.4	0.84-4.28	5.09			
DSQ-som. [FU12]	5.78 (8.53)	5.12 (8.08)	4.34 (8.3)	-0.69	0.36-2.52	1.14	-1.4	0.06-3.21	0.41	-0.68	0.36-2.47	1.12			
DSQ-distr. [FU12]	7.74 (9.92)	7.49 (10)	6.98(10.51)	-0.43	0.63-2.59	1.73	-0.75	0.4-2.87	1.38	-0.32	0.71-2.39	1.75			
DSQ-anx. [FU12]	0.78 (5.37)	0.9 (6.06)	0.27 (5.8)	-0.55	0.36-1.99	0.89	-0.47	0.41-1.86	0.92	0.1	0.86-1.28	1.48			
DSQ-depr. [FU12]	0.06 (3.28)	0.05 (3.24)	0 (3.83)	-0.02	0.95-0.87	0.82	-0.06	0.86-0.89	0.77	-0.03	0.92-0.82	0.75			
WSAS [FU12]	6.32(12.36)	6.71(13.06)	5.51(13.28)	-1.24	0.27-3.92	1.44	-0.93	0.39-3.52	1.65	0.31	0.77-2.24	2.87			
SPS [FU12]	22.55 (4.21)	23.36 (3.9)	23.32 (4.2)	-0.14	0.71-1.06	0.78	0.52	0.19-0.44	1.47	0.67	0.08-0.25	1.59			
IPQ [FU12]	19.62 (5.05)	19.63 (5.11)	19.56 (5.41)	-0.09	0.85-1.18	1.01	-0.04	0.92 -1.1	1.01	0.05	0.91-0.97	1.07			
GSS [FU12]	32.23 (8.66)	31.87 (9.07)	32.65 (9.64)	0.75	0.35-1.18	2.67	0.45	0.57-1.44	2.34	-0.3	0.7-2.13	1.53			
RTW-SE [FU12]	33.38(11.27)	32.76(12.13)	34.31(11.71)	1.54	0.13-0.89	3.97	0.99	0.32-1.38	3.36	-0.56	0.56-2.89	1.77			
QoLs [FU12]	62.98(20.27)	61.72(19.96)	58.98 (20.1)	-2.52	0.14-6.67	1.62	-3.84	*0.0242-7.92	0.24	-1.3	0.44-5.34	2.74			
EQ5 [FU12]	0.89 (0.2)	0.88 (0.2)	0.91 (0.2)	0.03	0.12-0.02	0.07	0.02	0.36-0.03	0.06	-0.01	0.47-0.06	0.03			

Sensitivity scenario: >worst<

Kaplan Meier-curve at 12-month follow-up regarding: RCT1



Vocational outcomes at 12-month follow-up from scenario >worst< in RCT1

	Group values			SAU-MHC				SAU-INT				MHC-INT				
	INT	MHC	SAU	Est.	p	low CI : high CI		Est.	p	low CI : high CI		Est.	p	low CI : high CI		
						low CI	high CI			low CI	high CI			low CI	high CI	
RTW, FU12 [weeks, HR]	32.0	40.0	32.0	1.14	0.32	0.83	1.57	0.96	0.71	0.71	1.29	0.82	0.12	0.60	1.12	
RTW, FU6 [HR]																
PROP, FU12 [%], OR	54.3	42.0	43.5	1.08	0.72	0.65	1.78	0.64	*0.0293	0.39	1.05	0.59	**0.012	0.36	0.98	
WEEKS, FU12 [weeks, RR]	17.7	15.2	17.0	1.12	0.27	0.88	1.42	0.97		0.77	0.78	1.21	0.87	0.16	0.69	1.10

Self-reported outcomes at 24-month follow-up regarding scenario: worst (RCT1)

	Group values			SAU-MHC				SAU-INT				MHC-INT			
	INT (SD)	MHC (SD)	SAU (SD)	Est.	p	low high CI CI		Est.	p	low high CI CI		Est.	p	low high CI CI	
						low CI	high CI			low CI	high CI			low CI	high CI
BAI [FU6]	15.32(10.41)	15.78(10.74)	17.9(10.92)	1.78		0.08-0.65	4.21	2.49	**0.0103	0.17	4.81	0.72		0.46	-1.6 3.03
BDI [FU6]	15.58(11.25)	16.17(11.75)	18.58(12.68)	1.96		0.06-0.55	4.46	2.68	**0.0082	0.25	5.1	0.7		0.48	-1.67 3.07
PSS [FU6]	18.79 (8.66)	18.87 (8.58)	21.33 (8.55)	2.2	**0.0017	0.53	3.88	2.41	**6e-04	0.74	4.08	0.18		0.8-1.48	1.83

	Group values			SAU-MHC				SAU-INT				MHC-INT				
	INT (SD)		MHC (SD)	SAU (SD)	Est.	p	low CI	high CI	Est.	p	low CI	high CI	Est.	p	low CI	high CI
KES [FU6]	73.25(21.98)	74.7(21.79)	79.23(22.19)	3.89	*0.0326	-0.47	8.24	5.91	**0.001	1.61	10.21	2	0.26	-2.25	6.25	
DSQ-som. [FU6]	12.16 (7.81)	12.3 (7.93)	13.38 (7.95)	1.15	0.12	-0.61	2.9	1.22	0.08	-0.48	2.93	0.09	0.9	-1.62	1.8	
DSQ-distr. [FU6]	16.25 (9.67)	17.36 (9.55)	18.55 (10.1)	1.25	0.12	-0.7	3.2	2.3	**0.0043	0.37	4.23	1.03	0.19	-0.86	2.91	
DSQ-anx. [FU6]	5.87 (5.8)	6.38 (5.98)	7.16 (6.24)	0.83	0.17	-0.62	2.29	1.31	*0.0265	-0.1	2.72	0.48	0.41	-0.92	1.88	
DSQ-depr. [FU6]	2.87 (3.36)	3.1 (3.39)	4.02 (3.69)	0.95	**0.0043	0.15	1.75	1.15	**5e-04	0.36	1.94	0.19	0.57	-0.59	0.97	
WSAS [FU6]	16.78(12.02)	18.33(12.28)	19.71(12.67)	0.96	0.34	-1.43	3.35	2.85	**0.0035	0.51	5.18	1.86	0.05	-0.46	4.17	
SPS [FU6]	16.44 (3.62)	16.22 (3.57)	15.72 (3.69)	-0.46	0.2	-1.31	0.39	-0.7	0.05	-1.57	0.16	-0.25	0.48	-1.11	0.6	
IPQ [FU6]	16.01 (4.26)	15.45 (4.5)	13.92 (4.57)	-1.44	**4e-04	-2.41	-0.48	-2.03	**0-2.96	-1.1	-0.57	0.15	-1.5	0.37		
GSS [FU6]	24.15 (8.11)	23.59 (8.14)	22.04 (8.37)	-1.33	0.07	-3.08	0.41	-2.12	**0.0035	-3.85	-0.38	-0.76	0.29	-2.47	0.95	
RTW-SE [FU6]	22.53(11.04)	21.03(10.73)	20.07(11.43)	-0.58	0.53	-2.77	1.61	-2.5	**0.0065	-4.71	-0.3	-1.91	*0.0311	-4.04	0.21	
QoLs [FU6]	74.85(17.65)	76.01(17.95)	77.22(19.88)	1.43	0.39	-2.55	5.41	2.48	0.13	-1.42	6.39	1.02	0.52	-2.78	4.81	
EQ5 [FU6]	0.73 (0.18)	0.72 (0.19)	0.69 (0.19)	-0.03	0.08	-0.07	0.01	-0.05	**0.0062	-0.09	-0.01	-0.02	0.35	-0.06	0.02	
IS [FU6]	24.24 (6.91)	22.92 (6.87)	17.73 (6.25)	-5.06	**0	-6.61	-3.5	-6.6	**0	-8.12	-5.07	-1.55	*0.0209	-3.15	0.05	
BAI [FU12]	16.73(11.07)	16.9(11.23)	18.41 (11.3)	1.49	0.15	-1	3.98	1.7	0.09	-0.71	4.11	0.24	0.81	-2.16	2.64	
BDI [FU12]	16.86(13.38)	17.94(12.83)	19.86(13.83)	1.72	0.13	-0.99	4.44	2.83	**0.0114	0.15	5.52	1.11	0.3	-1.48	3.7	
PSS [FU12]	19.6 (9.63)	20.25 (9.22)	21.28 (9.51)	0.92	0.24	-0.94	2.77	1.6	*0.0389	-0.26	3.46	0.67	0.38	-1.16	2.51	
KES [FU12]	70.33(24.48)	71.82(23.93)	75.05(24.21)	3	0.13	-1.8	7.8	4.58	*0.0208	-0.17	9.34	1.6	0.42	-3.13	6.32	
DSQ-som. [FU12]	13.78 (8.39)	13.83 (8.24)	14.87 (8.31)	0.94	0.22	-0.88	2.77	1.04	0.16	-0.74	2.83	0.11	0.89	-1.69	1.91	
DSQ-distr. [FU12]	17.2 (10.2)	18.44 (9.78)	18.75 (10.4)	0.17	0.85	-1.94	2.27	1.44	0.1	-0.65	3.53	1.27	0.14	-0.78	3.31	
DSQ-anx. [FU12]	6.15 (5.55)	6.84 (5.83)	6.94 (5.84)	0.03	0.95	-1.4	1.47	0.75	0.19	-0.64	2.13	0.73	0.21	-0.66	2.11	
DSQ-depr. [FU12]	3.24 (3.44)	3.52 (3.27)	4.02 (3.62)	0.44	0.19	-0.37	1.25	0.73	*0.0291	-0.07	1.53	0.29	0.38	-0.5	1.07	
WSAS [FU12]	17.63(12.72)	18.5(12.85)	19.56 (13.1)	0.93	0.39	-1.68	3.54	1.84	0.08	-0.7	4.38	0.91	0.39	-1.61	3.44	
SPS [FU12]	16.51 (4.16)	16 (4.12)	15.64 (4.05)	-0.18	0.63	-1.11	0.74	-0.7	0.08	-1.65	0.25	-0.44	0.25	-1.37	0.48	
IPQ [FU12]	14.55 (5.29)	14.28 (5.23)	13.39 (4.97)	-0.84	0.05	-1.88	0.2	-1.14	**0.0073	-2.15	-0.12	-0.29	0.51	-1.31	0.74	
GSS [FU12]	23.84 (9.06)	23.14 (8.97)	21.9 (9.26)	-1.16	0.14	-3.02	0.71	-1.9	**0.0141	-3.75	-0.05	-0.73	0.34	-2.56	1.1	
RTW-SE [FU12]	22.27(11.81)	20.67(11.56)	20.19(11.69)	-0.36	0.72	-2.72	2	-2.02	*0.0409	-4.39	0.35	-1.66	0.09	-3.99	0.66	

	Group values			SAU-MHC				SAU-INT				MHC-INT				
	INT (SD)		MHC (SD)	SAU (SD)	Est.	p	low CI	high CI	Est.	p	low CI	high CI	Est.	p	low CI	high CI
QoLs [FU12]	82.7(19.47)	82.22(20.03)	83.59(21.01)		1.35		0.45-2.91	5.61	1.04		0.55-3.16	5.24	-0.3		0.86-4.35	3.75
EQ5 [FU12]	0.69 (0.2)	0.69 (0.2)	0.67 (0.2)	-0.02			0.37-0.06	0.03	-0.03		0.14-0.07	0.02	-0.01		0.56-0.05	0.03