Hospital and Anxiety Disorder (HAD)

The HADS contain 14 items and consists of two subscales: anxiety and depression. Each item is rated on a four-point scale (0-3), giving maximum scores of 21 for anxiety and depression.
Scores of >=11 (out of 21) on either subscale are considered to be a significant 'case' of psychological morbidity,
scores of 8–10 (out of 21) represents 'borderline' and
scores 0–7 (out of 21) 'normal'
Zigmond AS, Snaith PR: **The Hospital Anxiety and Depression Scale.**
Acta Psychiatr Scand 1983, **67:**361-370.

	Total score for 14 items = 42	Anxiety (7 items) Total score = 21	Depression (7 items) Total score = 21
significant 'case' of psychological morbidity	>=22 (>=52 out of 100)	>=11 (>=52 out of 100)	>=11 (>=52 out of 100)
'borderline' psychological morbidity	16-21 (38-51 out of 100)	8-10 (38-51 out of 100)	8-10 (38-51 out of 100)
'normal'	0-15 (<38 out of 100)	0-7 (<38 out of 100)	0-7 (<38 out of 100)

Figures in blue are all out of 100 which is what is presented in this report

A HAD score was derived based on responses in the HAD scale questionnaire. The responses to each question were given scores that ranged from 0 to 3 where response with a score of 0 gave a positive response while 3 gave negative response. All missing responses were scored 3.

The total HAD scores from each patient responses were taken as a fraction of the observed HAD score relative to the expected total HAD score. These have been expressed as that out of 100. So the minimum possible score that could be observed could be 0 and maximum possible score that could be observed is 100 ('worse').

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	Baseline	Week 4	Week 12	Week 24	p-value
Attended	41	40	39	39	Using Friedman's test
DNA	0	0	0	0	
Drop out	0	1	2	2	
Overall HAD scores *14 items – max possible score = 42* *Standardised so that the score is out of 100.* *Where value of 100 indicates 'worse'*	14.3 (7.1 to 26.2) Range: 0.0 to 59.5	9.5 (2.4 to 23.8) Range: 0.0 to 42.9	16.7 (2.4 to 23.8) Range: 0.0 to 47.6	9.5 (0.0 to 26.2) Range: 0.0 to 47.6	0.004
		Baseline to week 4	**Baseline to week 12**	**Baseline to week 24**	
Overall HAD scores *% Change from baseline to wk (baseline-wk)* *+ve value indicates improvement*		2.4(0.0 to 7.1) Range: -9.5 to 28.6 Wilcoxon signed rank test P=0.001	2.4(-2.4 to 7.1) Range: -11.9 to 28.6 Wilcoxon signed rank test P=0.049	2.4(0.0 to 7.1) Range: -19.0 to 28.6 Wilcoxon signed rank test P=0.024	
Overall HAD score describing psychological morbidity					
Normal	**38(92.7)**	37(94.9)	35(92.1)	35(89.7)	
Borderline	**2(4.9)**	2(5.1)	3(7.9)	4(10.3)	
Significant	**1(2.4)**	0(0.0)	0(0.0)	0(0.0)	
		Baseline to week 4	**Baseline to week 12**	**Baseline to week 24**	
Overall HAD scores *Comparison with baseline*					
No change		37(94.9)	35(92.1)	37(94.9)	
Deteriorated		0(0.0)	1(2.6)	1(2.6)	
Improved		2(5.1)	2(5.3)	1(2.6)	
HAD ANXIETY scores *7 items* max possible score = 21 Standardised so that the score is out of 100. Where value of 100 indicates 'worse'	19.0 (9.5 to 28.6) Range: 0.0 to 57.1	14.3 (0.0 to 28.6) Range: 0.0 to 47.6	16.7 (0.0 to 33.3) Range: 0.0 to 47.6	14.3 (0.0 to 33.3) Range: 0.0 to 61.9	0.001

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	Baseline	Week 4	Week 12	Week 24	p-value
Attended DNA Drop out	41 0 0	40 0 1	39 0 2	39 0 2	Using Friedman's test
Overall HAD ANXIETY scores *% Change from baseline to wk (baseline-wk)* *+ve value indicates improvement*		4.8(0.0 to 9.5) Range: -19.0 to 33.3 Wilcoxon signed rank test P<0.001	2.4(0.0 to 9.5) Range: -14.3 to 38.1 Wilcoxon signed rank test P=0.029	4.8(-4.8 to 33.3) Range: -38.1 to 33.3 Wilcoxon signed rank test P=0.053	
HAD ANXIETY score describing psychological morbidity Normal Borderline Significant	 34(82.9) 5(12.2) 2(4.9)	 36(92.3) 3(7.7) 0(0.0)	 29(76.3) 9(23.7) 0(0.0)	 31(79.5) 5(12.8) 3(7.7))	
		Baseline to week 4	**Baseline to week 12**	**Baseline to week 24**	
HAD ANXIETY scores *Comparison with baseline* No change Deteriorated Improved		 31(79.5) 1(2.6) 7(17.9)	 30(78.9) 4(10.5) 4	 32(82.1) 4(10.3) 3(7.7)	
HAD DEPRESSION scores 7 items max possible score = 21 Standardised so that the score is out of 100. Where value of 100 indicates 'worse'	9.5 (4.8 to 23.8) Range: 0.0 to 61.9	4.8 (0.0 to 19.0) Range: 0.0 to 42.9	4.8 (0.0 to 19.0) Range: 0.0 to 47.6	4.8 (0.0 to 19.0) Range: 0.0 to 42.9	0.075
Overall HAD DEPRESSION scores *% Change from baseline to wk (ba-wk)* *+ve value indicates improvement*		0.0(0.0 to 4.8) Range: -23.8 to 23.8 Wilcoxon signed rank test P0.100	0.0(0.0 to 4.8) Range: -19.0 to 23.8 Wilcoxon signed rank test P=0.029	0.0(0.0 to 4.8) Range: -14.3 to 28 Wilcoxon signed rank test P=0.053	

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Version 4.0: 22nd May 2018

	Baseline	Week 4	Week 12	Week 24	p-value
Attended DNA Drop out	41 0 0	40 0 1	39 0 2	39 0 2	Using Friedman's test
HAD DEPRESSION score describing psychological morbidity Normal Borderline Significant	 37(90.2) 2(4.9) 2(4.9)	 36(92.3) 3(7.7) 0(0.0)	 35(92.1) 3(7.9) 0(0.0)	 37(94.9) 2(5.1) 0(0.0)	
HAD DEPRESSION scores *Comparison with baseline* No change Deteriorated Improved	████████	 36(92.3) 0(0.0) 3(7.7)	 32(84.2) 2(5.3) 4(10.5)	 36(92.3) 0(0.0) 3(7.7)	

Version 4.0: 22nd May 2018

Modified Medication Adherence Self-Report Inventory (M-MASRI)

	Baseline	Week 4	Week 12	Week 24
Attended	41	40	39	39
DNA	0	0	0	0
Drop out	0	1	2	2
Number of pills per "dose" (= per intake)				
1	40	1	37	39
2		*This is data anomaly*		
3		*post database freeze*		
Number of "doses" (intakes) per day: (Time(s) (daily))				
1	40	1	35	39
5	0	0	1	0
HOW MUCH of the Medication above you have taken DURING THE LAST 30 DAYS *0% means haven't taken any dose of the Medication,* *50% means have* *taken half of the prescribed doses* *100% means have taken every single dose of the Medication*				
0	1	0	0	1
79	0	0	1	0
80	0	0	0	1
82	0	0	1	0
85	1	0	0	0
88	0	0	0	1
89	1	0	0	0
90	1	0	5	3
92	1	0	0	1
93	0	0	0	1
95	3	0	1	3
97	0	0	0	4
98	5	0	3	3
99	1	0	1	4
100	26	1	25	18

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	Baseline	Week 4	Week 12	Week 24
Attended	41	40	39	39
DNA	0	0	0	0
Drop out	0	1	2	2
% improvement in HOW MUCH of the Medication above you have taken DURING THE LAST 30 DAYS *0% means haven't taken any dose of the Medication,* *50% means have taken half of the prescribed doses* *100% means have taken every single dose of the Medication* *(-ve values indicate deterioration)*			N=37 0(0 to 1) -100 to 17	N=38 0(0 to 5) -100 to 85