

**Using the 11-item Version of the RCADS to Identify Anxiety and Depressive Disorders in
Adolescents**

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Electronic Supplementary Material 2: ROC analyses for alternative combinations of adolescent-report anxiety items (≤ 12 items) and depression items (≤ 9 items) compared to original RCADS and RCADS-25.

Scale	Number of items	Total			Boys		Girls		Older adolescents		Younger adolescents	
		AUC (total)	Cut-off	Sens/Spec	Cut-off	Sens/Spec	Cut-off	Sens/Spec	Cut-off	Sens/Spec	Cut-off	Sens/Spec
RCADS-47- Anxiety	31	.75	38.5	.72/.69	26.5	.77/.73	41.5	.70/.67	38.5	.77/.65	35.5	.72/.66
RCADS-25 - Anxiety	15	.71	13.5	.73/.61	10.9	.70/.62	15.5	.68/.61	14.5	.70/.65	13.5	.72/.61
Anx 1	12	.79	15.5	.73/.72	8.5	.82/.72	17.5	.72/.68	15.5	.79/.71	14.5	.73/.68
Anx 2	11	.79	13.5	.76/.68	9.5	.83/.74	15.5	.74/.66	14.5	.78/.71	13.5	.72/.70
Anx 3	10	.80	12.5	.75/.72	7.5	.81/.72	13.5	.74/.67	13.5	.77/.75	11.5	.76/.68
Anx 4	9	.80	11.5	.74/.73	7.5	.79/.74	12.5	.74/.67	12.5	.76/.75	10.5	.74/.69
Anx 5	8	.80	10.5	.77/.72	7.5	.79/.77	11.5	.75/.66	10.5	.83/.70	9.5	.79/.69
Anx 6	7	.80	8.5	.77/.72	5.5	.81/.74	9.5	.75/.67	8.5	.82/.73	8.5	.72/.71
Anx 7	6	.81	7.5	.77/.74	4.5	.83/.75	8.5	.73/.70	7.5	.81/.78	7.5	.74/.72
Anx 8	5	.81	5.5	.76/.73	3.5	.86/.75	6.5	.76/.70	5.5	.79/.75	5.5	.72/.71
Anx 9	4	.81	3.5	.83/.66	2.5	.88/.74	4.5	.76/.68	3.5	.86/.68	3.5	.81/.65
Anx 10	3	.81	2.5	.88/.71	2.5	.85/.78	3.5	.77/.69	3.5	.77/.74	2.5	.87/.62
Anx 11	2	.81	1.5	.82/.70	0.5	.91/.65	1.5	.85/.57	1.5	.80/.65	1.5	.83/.73

Note. Anx 1-11= alternative anxiety item sets, Sens/Spec = Sensitivity/Specificity.

Scale	Number of items	Total			Boys		Girls		Older adolescents		Younger adolescents	
		AUC (total)	Cut-off	Sens/Spec	Cut-off	Sens/Spec	Cut-off	Sens/Spec	Cut-off	Sens/Spec	Cut-off	Sens/Spec
RCADS-47 - Depression	10	.86	14.7	.83/.71	13.5	.88/.77	15.5	.75/.71	15.5	.73/.72	16.8	.86/.83
RCADS-25 - Depression	10	.86	14.7	.83/.71	13.5	.88/.77	15.5	.75/.71	15.5	.73/.72	16.8	.86/.83
Depr 1	9	.86	13.5	.79/.74	12.5	.80/.80	13.5	.68/.79	13.5	.68/.77	14.5	.79/.85
Depr 2	8	.87	12.5	.78/.81	10.5	.78/.94	12.5	.73/.81	12.5	.75/.79	12.5	.79/.85
Depr 3	7	.87	10.5	.74/.81	9.5	.80/.88	10.5	.69/.82	10.5	.69/.79	10.5	.77/.86
Depr 4	6	.86	9.5	.76/.82	8.5	.80/.88	9.5	.71/.82	9.5	.71/.79	9.5	.78/.90
Depr 5	5	.87	8.5	.77/.89	7.5	.83/.88	8.5	.71/.89	8.5	.70/.86	8.5	.80/.90
Depr 6	4	.86	5.5	.70/.77	5.5	.82/.88	5.5	.63/.76	5.5	.64/.72	6.5	.82/.90
Depr 7	3	.86	4.5	.77/.83	3.5	.78/.88	4.5	.73/.80	4.5	.71/.80	4.5	.81/.90
Depr 8	2	.84	2.5	.70/.70	2.5	.77/.77	2.5	.66/.66	2.5	.62/.62	2.5	.74/.74

Note. Depr 1- Depr 8 = Alternative depression item sets, Sens/Spec = Sensitivity/Specificity.