

Table S1.*Diagnostic groups of mother-infant bonding in the study sample (N=156)*

Diagnostic group	N	%	Cohen's Kappa (n=45)	PBQ total score		PBQ total score		Post hoc comparisons
				4-6 weeks (n=125)		8-10 weeks (n=156)		
				Median	IQR	Median	IQR	
Mothers with normal bond (A)	104	66.7	.85	6	6	6	6	PBQ 4-6 weeks:
Mothers with some kind of bonding disorder in the previous weeks but not at the time of the interview (8-10 weeks) (B)	14	9.0	.88	13	10	8.5	10	C > B > A
Mothers with any type of bonding disorder (C)	38	24.3	.76	24	13	22	8	PBQ 8-10 weeks: C > A, B
Mild bonding disorders (D)	21	13.5	.63	22	15	19	11	PBQ 4-6 weeks:
Mild bonding disorders with infant-focused anxiety (E)	8	5.1	.79	27	7.5	23	8.5	No differences between groups

Mild bonding disorders with pathological mild anger (F)	3	1.9	1	18	11	18	9	PBQ 8-10 weeks: G > D
Threatened Rejection (G)	6	3.8	1	30	2	29	21	
Established Rejection	0	0	-	-	-	-	-	

Note.

PBQ = Postpartum Bonding Questionnaire; IQR = interquartile range.

Table S2.

Areas under the ROC curves and optimal cut off points of PBQ total score and the four scales of Spanish PBQ for detecting bonding disorder and severe bonding disorder

				Sensitivity	Specificity					
	AUC	CI 95%	Cut off	(CI 95%)	(CI 95%)	PPV	NPV	+LR	-LR	Kappa
Bonding disorder										
PBQ total score	.928	.880-.976	13	92.1 (78.6-98.2)	87.3 (79.9-92.7)	70.0	97.2	7.25	0.09	.72
PBQ F1	.911	.856-.965	4	78.9 (62.7-90.4)	90.7 (83.9-95.2)	73.2	93.0	8.47	0.23	.68
PBQ F2	.870	.807-.933	9	78.9 (62.7-90.4)	82.2 (74.1-88.6)	58.8	92.4	4.44	0.26	.55
PBQ F3	.772	.683-.862	2	60.5 (43.4-75.9)	91.5 (85.0-95.9)	69.7	87.8	7.14	0.43	.54
PBQ F4	.788	.707-.870	1	73.7 (56.9-86.6)	81.4 (73.1-87.9)	56.0	90.6	3.95	0.32	.50
Severe bonding disorder										

PBQ total score	.916	.830-1.000	18	100.0 (54.1-100.0)	78.0 (70.5-84.3)	15.4	100.0	4.55	0.00	.21
PBQ F1	.969	.927-1.000	6	100.0 (54.1-100.0)	84.0 (77.1-89.5)	20.0	100.0	6.25	0.00	.29
PBQ F2	.826	.704-.949	8	100.0 (54.1-100.0)	60.0 (51.7-67.9)	9.1	100.0	2.50	0.00	.10
PBQ F3	.933	.875-.990	2	100.0 (54.1-100.0)	82.0 (74.9-87.8)	18.2	100.0	5.56	0.00	.26
PBQ F4	.741	.575-.906	1	83.3 (36.1-97.2)	70.0 (62.0-77.2)	10.0	99.1	2.78	0.24	.12

Note.

ROC = Receiver operating characteristic; PBQ = Postpartum Bonding Questionnaire; AUC = Area under the curve; CI = confidence Interval; PPV = positive predictive value; NPV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; Kappa = Cohen's Kappa coefficients with clinical interview diagnosis.

Figure Captions

Figure S1

Box diagram and distribution of the Postpartum Bonding Questionnaire (PBQ) scores (median, quartiles and outliers) by diagnostic groups.

Note. The dotted lines represents the optimal cut-off points for detecting bonding disorder and severe bonding disorder.

Figure S2

Receiver operating characteristic curve of the Postpartum Bonding Questionnaire (PBQ) total score and scales 1, 2, 3 and 4 for detecting bonding disorder.

Figure S3

Receiver operating characteristic curve of the Postpartum Bonding Questionnaire (PBQ) total score and scales 1, 2, 3 and 4 for detecting severe bonding disorder.

Figure S1.

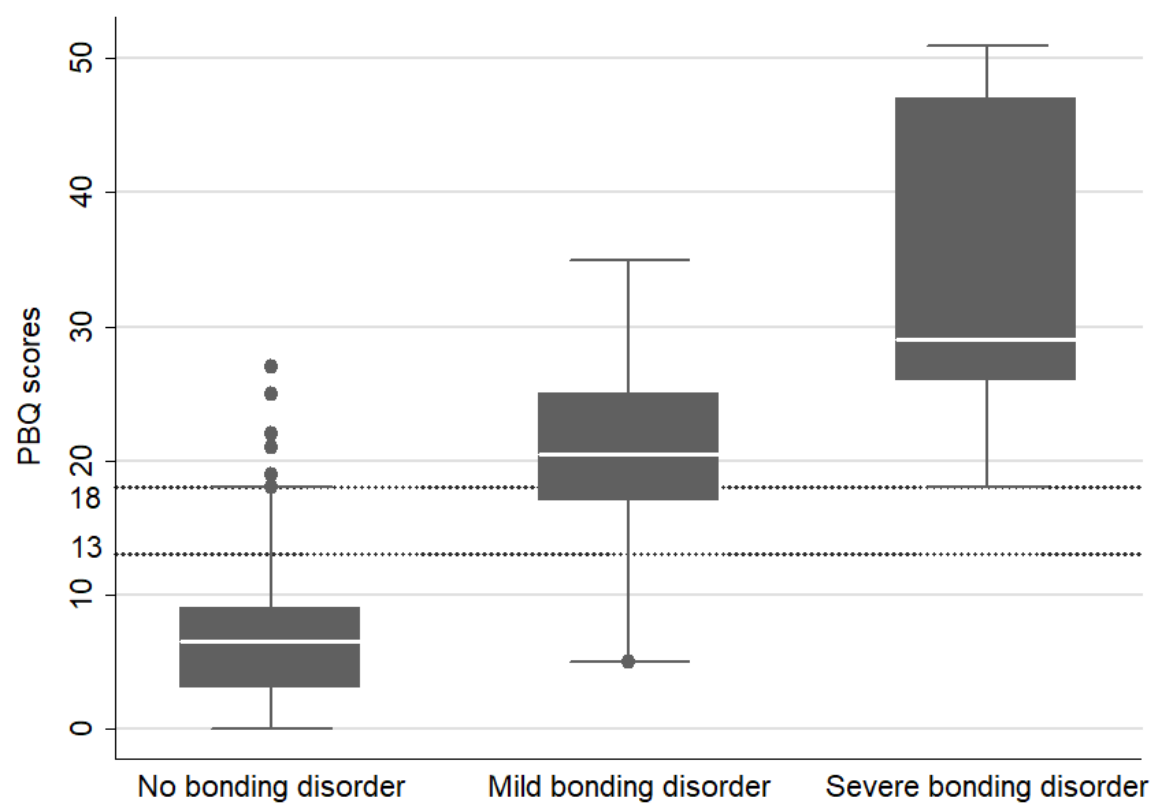


Figure S2.

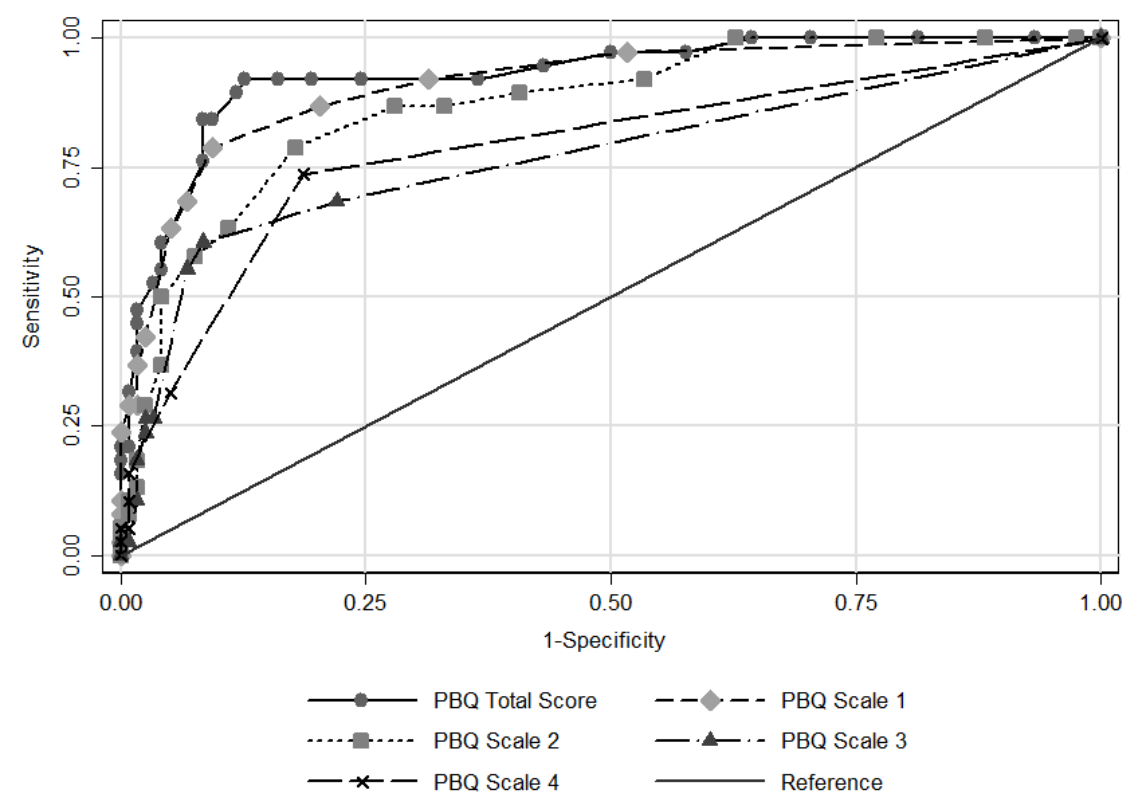
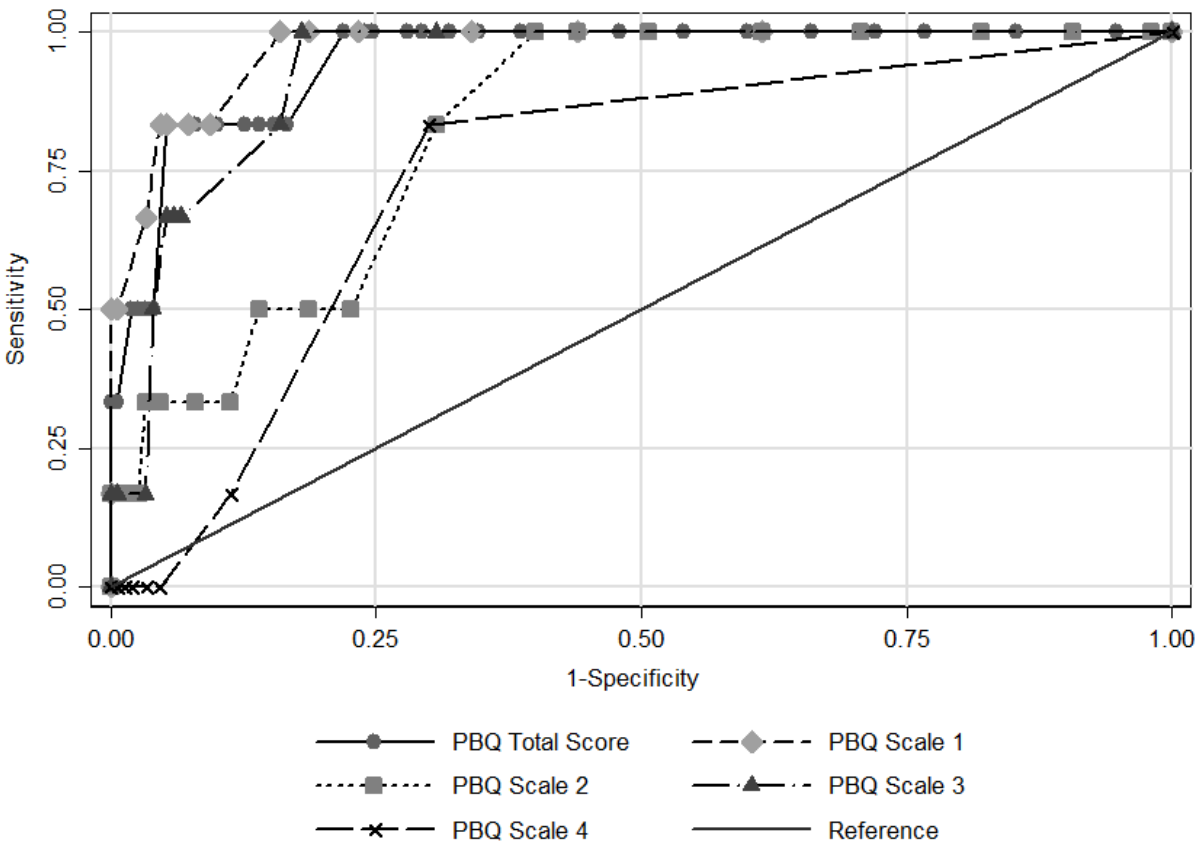


Figure S3.



SM 1. Range of PBQ total score thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00	24,4		
0/1	100,0 (90,7-100,0)	2,5 (0,6- 7,3)	1,03	0,00	24,8	100,0
1/2	100,0 (90,7-100,0)	6,8 (3,0- 12,9)	1,07	0,00	25,7	100,0
2/3	100,0 (90,7-100,0)	18,6 (12,1- 26,9)	1,23	0,00	28,4	100,0
3/4	100,0 (90,7-100,0)	29,7 (21,6- 38,8)	1,42	0,00	31,4	100,0
4/5	100,0 (90,7-100,0)	35,6 (27,0- 44,9)	1,55	0,00	33,3	100,0
5/6	97,4 (86,1- 99,6)	42,4 (33,3- 51,8)	1,69	0,06	35,2	98,0
6/7	97,4 (86,1- 99,6)	50,0 (40,7- 59,3)	1,95	0,05	38,5	98,3
7/8	94,7 (82,2- 99,2)	56,8 (47,3- 65,9)	2,19	0,09	41,4	97,1
8/9	92,1 (78,6- 98,2)	63,6 (54,2- 72,2)	2,53	0,12	44,9	96,2
9/10	92,1 (78,6- 98,2)	75,4 (66,6- 82,9)	3,75	0,10	54,7	96,7
10/11	92,1 (78,6- 98,2)	80,5 (72,2- 87,2)	4,73	0,10	60,3	96,9
11/12	92,1 (78,6- 98,2)	83,9 (76,0- 90,0)	5,72	0,09	64,8	97,1
12/13	92,1 (78,6- 98,2)	87,3 (79,9- 92,7)	7,25	0,09	70,0	97,2
13/14	89,5 (75,2- 97,0)	88,1 (80,9- 93,4)	7,54	0,12	70,8	96,3
14/15	84,2 (68,7- 93,9)	90,7 (83,9- 95,2)	9,03	0,17	74,4	94,7
15/16	84,2 (68,7- 93,9)	91,5 (85,0- 95,9)	9,94	0,17	76,2	94,7
17/18	76,3 (59,8- 88,5)	91,5 (85,0- 95,9)	9,01	0,26	74,4	92,3
18/19	63,2 (46,0- 78,2)	94,9 (89,3- 98,1)	12,42	0,39	80,0	88,9
19/20	60,5 (43,4- 75,9)	95,8 (90,4- 98,6)	14,28	0,41	82,1	88,3
20/21	55,3 (38,3- 71,4)	95,8 (90,4- 98,6)	13,04	0,47	80,8	86,9
21/22	52,6 (35,8- 69,0)	96,6 (91,5- 99,0)	15,53	0,49	83,3	86,4
22/23	47,4 (31,0- 64,2)	98,3 (94,0- 99,7)	27,95	0,54	90,0	85,3
23/24	44,7 (28,6- 61,7)	98,3 (94,0- 99,7)	26,39	0,56	89,5	84,7
24/25	39,5 (24,1- 56,6)	98,3 (94,0- 99,7)	23,29	0,62	88,2	83,5
25/26	31,6 (17,5- 48,7)	99,2 (95,4- 99,9)	37,26	0,69	92,3	81,8
26/27	21,1 (9,6- 37,3)	99,2 (95,4- 99,9)	24,84	0,80	88,9	79,6
27/28	21,1 (9,6- 37,3)	100,0 (96,9-100,0)		0,79	100,0	79,7
28/29	18,4 (7,8- 34,3)	100,0 (96,9-100,0)		0,82	100,0	79,2
29/30	15,8 (6,1- 31,3)	100,0 (96,9-100,0)		0,84	100,0	78,7
32/33	7,9 (1,8- 21,4)	100,0 (96,9-100,0)		0,92	100,0	77,1
35/36	5,3 (0,8- 17,8)	100,0 (96,9-100,0)		0,95	100,0	76,6
47/48	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0	76,1
51/52	0,0 (0,0- 9,3)	100,0 (96,9-100,0)	1,00		75,6	

SM 2. Range of PBQ total score thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting severe bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00	3,8		
0/1	100,0 (54,1-100,0)	2,0 (0,4- 5,7)	1,02	0,00	3,9	100,0
1/2	100,0 (54,1-100,0)	5,3 (2,3- 10,2)	1,06	0,00	4,1	100,0
2/3	100,0 (54,1-100,0)	14,7 (9,4- 21,4)	1,17	0,00	4,5	100,0
3/4	100,0 (54,1-100,0)	23,3 (16,8- 30,9)	1,30	0,00	5,0	100,0
4/5	100,0 (54,1-100,0)	28,0 (21,0- 35,9)	1,39	0,00	5,3	100,0
5/6	100,0 (54,1-100,0)	34,0 (26,5- 42,2)	1,52	0,00	5,7	100,0
6/7	100,0 (54,1-100,0)	40,0 (32,1- 48,3)	1,67	0,00	6,3	100,0
7/8	100,0 (54,1-100,0)	46,0 (37,8- 54,3)	1,85	0,00	6,9	100,0
8/9	100,0 (54,1-100,0)	52,0 (43,7- 60,2)	2,08	0,00	7,7	100,0
9/10	100,0 (54,1-100,0)	61,3 (53,0- 69,2)	2,59	0,00	9,4	100,0
10/11	100,0 (54,1-100,0)	65,3 (57,1- 72,9)	2,88	0,00	10,3	100,0
11/12	100,0 (54,1-100,0)	68,0 (59,9- 75,4)	3,13	0,00	11,1	100,0
12/13	100,0 (54,1-100,0)	70,7 (62,7- 77,8)	3,41	0,00	12,0	100,0
13/14	100,0 (54,1-100,0)	72,0 (64,1- 79,0)	3,57	0,00	12,5	100,0
14/15	100,0 (54,1-100,0)	75,3 (67,6- 82,0)	4,05	0,00	14,0	100,0
15/16	100,0 (54,1-100,0)	76,0 (68,4- 82,6)	4,17	0,00	14,3	100,0
17/18	100,0 (54,1-100,0)	78,0 (70,5- 84,3)	4,55	0,00	15,4	100,0
18/19	83,3 (36,1- 97,2)	83,3 (76,4- 88,9)	5,00	0,20	16,7	99,2
19/20	83,3 (36,1- 97,2)	84,7 (77,9- 90,0)	5,43	0,20	17,9	99,2
20/21	83,3 (36,1- 97,2)	86,0 (79,4- 91,1)	5,95	0,19	19,2	99,2
21/22	83,3 (36,1- 97,2)	87,3 (80,9- 92,2)	6,58	0,19	20,8	99,2
22/23	83,3 (36,1- 97,2)	90,0 (84,0- 94,3)	8,33	0,19	25,0	99,3
23/24	83,3 (36,1- 97,2)	90,7 (84,8- 94,8)	8,93	0,18	26,3	99,3
24/25	83,3 (36,1- 97,2)	92,0 (86,4- 95,8)	10,42	0,18	29,4	99,3
25/26	83,3 (36,1- 97,2)	94,7 (89,8- 97,7)	15,62	0,18	38,5	99,3
26/27	50,0 (12,4- 87,6)	96,0 (91,5- 98,5)	12,50	0,52	33,3	98,0
27/28	50,0 (12,4- 87,6)	96,7 (92,4- 98,9)	15,00	0,52	37,5	98,0
28/29	50,0 (12,4- 87,6)	97,3 (93,3- 99,3)	18,75	0,51	42,9	98,0
29/30	50,0 (12,4- 87,6)	98,0 (94,3- 99,6)	25,00	0,51	50,0	98,0
32/33	33,3 (5,3- 77,3)	99,3 (96,3- 99,9)	50,00	0,67	66,7	97,4
35/36	33,3 (5,3- 77,3)	100,0 (97,5-100,0)		0,67	100,0	97,4
47/48	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0	96,8
51/52	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00		96,2

SM 3. Range of PBQ scale 1 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00	24,4		
0/1	97,4 (86,1- 99,6)	48,3 (39,0- 57,7)	1,88	0,05	37,8	98,3
1/2	92,1 (78,6- 98,2)	68,6 (59,5- 76,9)	2,94	0,12	48,6	96,4
2/3	86,8 (71,9- 95,5)	79,7 (71,3- 86,5)	4,27	0,17	57,9	94,9
3/4	78,9 (62,7- 90,4)	90,7 (83,9- 95,2)	8,47	0,23	73,2	93,0
4/5	68,4 (51,3- 82,5)	93,2 (87,1- 97,0)	10,09	0,34	76,5	90,2
5/6	63,2 (46,0- 78,2)	94,9 (89,3- 98,1)	12,42	0,39	80,0	88,9
6/7	42,1 (26,3- 59,2)	97,5 (92,7- 99,4)	16,56	0,59	84,2	83,9
7/8	36,8 (21,8- 54,0)	98,3 (94,0- 99,7)	21,74	0,64	87,5	82,9
8/9	28,9 (15,4- 45,9)	98,3 (94,0- 99,7)	17,08	0,72	84,6	81,1
9/10	28,9 (15,4- 45,9)	99,2 (95,4- 99,9)	34,16	0,72	91,7	81,2
10/11	23,7 (11,5- 40,2)	100,0 (96,9-100,0)		0,76	100,0	80,3
12/13	10,5 (3,0- 24,8)	100,0 (96,9-100,0)		0,89	100,0	77,6
13/14	7,9 (1,8- 21,4)	100,0 (96,9-100,0)		0,92	100,0	77,1
15/16	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0	76,1
21/22	0,0 (0,0- 9,3)	100,0 (96,9-100,0)	1,00		75,6	

SM 4. *Range of PBQ scale 1 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting severe bonding disorder.*

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00	3,8		
0/1	100,0 (54,1-100,0)	38,7 (30,8- 47,0)	1,63	0,00	6,1	100,0
1/2	100,0 (54,1-100,0)	56,0 (47,7- 64,1)	2,27	0,00	8,3	100,0
2/3	100,0 (54,1-100,0)	66,0 (57,8- 73,5)	2,94	0,00	10,5	100,0
3/4	100,0 (54,1-100,0)	76,7 (69,1- 83,2)	4,29	0,00	14,6	100,0
4/5	100,0 (54,1-100,0)	81,3 (74,2- 87,2)	5,36	0,00	17,6	100,0
5/6	100,0 (54,1-100,0)	84,0 (77,1- 89,5)	6,25	0,00	20,0	100,0
6/7	83,3 (36,1- 97,2)	90,7 (84,8- 94,8)	8,93	0,18	26,3	99,3
7/8	83,3 (36,1- 97,2)	92,7 (87,3- 96,3)	11,36	0,18	31,3	99,3
8/9	83,3 (36,1- 97,2)	94,7 (89,8- 97,7)	15,62	0,18	38,5	99,3
9/10	83,3 (36,1- 97,2)	95,3 (90,6- 98,1)	17,86	0,17	41,7	99,3
10/11	66,7 (22,7- 94,7)	96,7 (92,4- 98,9)	20,00	0,34	44,4	98,6
12/13	50,0 (12,4- 87,6)	99,3 (96,3- 99,9)	75,00	0,50	75,0	98,0
13/14	50,0 (12,4- 87,6)	100,0 (97,5-100,0)		0,50	100,0	98,0
15/16	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0	96,8
21/22	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00	96,2	

SM 5. Range of PBQ scale 2 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00	24,4		
0/1	100,0 (90,7-100,0)	2,5 (0,6- 7,3)	1,03	0,00	24,8	100,0
1/2	100,0 (90,7-100,0)	11,9 (6,6- 19,1)	1,13	0,00	26,8	100,0
2/3	100,0 (90,7-100,0)	22,9 (15,7- 31,5)	1,30	0,00	29,5	100,0
3/4	100,0 (90,7-100,0)	37,3 (28,6- 46,7)	1,59	0,00	33,9	100,0
4/5	92,1 (78,6- 98,2)	46,6 (37,4- 56,0)	1,73	0,17	35,7	94,8
5/6	89,5 (75,2- 97,0)	59,3 (49,9- 68,3)	2,20	0,18	41,5	94,6
6/7	86,8 (71,9- 95,5)	66,9 (57,7- 75,3)	2,63	0,20	45,8	94,0
7/8	86,8 (71,9- 95,5)	72,0 (63,0- 79,9)	3,11	0,18	50,0	94,4
8/9	78,9 (62,7- 90,4)	82,2 (74,1- 88,6)	4,44	0,26	58,8	92,4
9/10	63,2 (46,0- 78,2)	89,0 (81,9- 94,0)	5,73	0,41	64,9	88,2
10/11	57,9 (40,8- 73,7)	92,4 (86,0- 96,4)	7,59	0,46	71,0	87,2
11/12	50,0 (33,4- 66,6)	95,8 (90,4- 98,6)	11,80	0,52	79,2	85,6
12/13	36,8 (21,8- 54,0)	95,8 (90,4- 98,6)	8,69	0,66	73,7	82,5
13/14	28,9 (15,4- 45,9)	97,5 (92,7- 99,4)	11,39	0,73	78,6	81,0
14/15	18,4 (7,8- 34,3)	98,3 (94,0- 99,7)	10,87	0,83	77,8	78,9
15/16	13,2 (4,5- 28,1)	98,3 (94,0- 99,7)	7,76	0,88	71,4	77,9
16/17	10,5 (3,0- 24,8)	99,2 (95,4- 99,9)	12,42	0,90	80,0	77,5
17/18	7,9 (1,8- 21,4)	99,2 (95,4- 99,9)	9,32	0,93	75,0	77,0
18/19	5,3 (0,8- 17,8)	100,0 (96,9-100,0)		0,95	100,0	76,6
19/20	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0	76,1
20/21	0,0 (0,0- 9,3)	100,0 (96,9-100,0)		1,00	75,6	

SM 6. Range of PBQ scale 2 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting severe bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00	3,8		
0/1	100,0 (54,1-100,0)	2,0 (0,4- 5,7)	1,02	0,00	3,9	100,0
1/2	100,0 (54,1-100,0)	9,3 (5,2- 15,2)	1,10	0,00	4,2	100,0
2/3	100,0 (54,1-100,0)	18,0 (12,2- 25,1)	1,22	0,00	4,7	100,0
3/4	100,0 (54,1-100,0)	29,3 (22,2- 37,3)	1,42	0,00	5,4	100,0
4/5	100,0 (54,1-100,0)	38,7 (30,8- 47,0)	1,63	0,00	6,1	100,0
5/6	100,0 (54,1-100,0)	49,3 (41,1- 57,6)	1,97	0,00	7,3	100,0
6/7	100,0 (54,1-100,0)	56,0 (47,7- 64,1)	2,27	0,00	8,3	100,0
7/8	100,0 (54,1-100,0)	60,0 (51,7- 67,9)	2,50	0,00	9,1	100,0
8/9	83,3 (36,1- 97,2)	69,3 (61,3- 76,6)	2,72	0,24	9,8	99,0
9/10	50,0 (12,4- 87,6)	77,3 (69,8- 83,8)	2,21	0,65	8,1	97,5
10/11	50,0 (12,4- 87,6)	81,3 (74,2- 87,2)	2,68	0,61	9,7	97,6
11/12	50,0 (12,4- 87,6)	86,0 (79,4- 91,1)	3,57	0,58	12,5	97,7
12/13	33,3 (5,3- 77,3)	88,7 (82,5- 93,3)	2,94	0,75	10,5	97,1
13/14	33,3 (5,3- 77,3)	92,0 (86,4- 95,8)	4,17	0,72	14,3	97,2
14/15	33,3 (5,3- 77,3)	95,3 (90,6- 98,1)	7,14	0,70	22,2	97,3
15/16	33,3 (5,3- 77,3)	96,7 (92,4- 98,9)	10,00	0,69	28,6	97,3
16/17	16,7 (2,8- 63,9)	97,3 (93,3- 99,3)	6,25	0,86	20,0	96,7
17/18	16,7 (2,8- 63,9)	98,0 (94,3- 99,6)	8,33	0,85	25,0	96,7
18/19	16,7 (2,8- 63,9)	99,3 (96,3- 99,9)	25,00	0,84	50,0	96,8
19/20	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0	96,8
20/21	0,0 (0,0- 45,9)	100,0 (97,5-100,0)	1,00		96,2	

SM 7. Range of PBQ scale 3 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00	24,4		
0/1	68,4 (51,3- 82,5)	78,0 (69,4- 85,1)	3,11	0,41	50,0	88,5
1/2	60,5 (43,4- 75,9)	91,5 (85,0- 95,9)	7,14	0,43	69,7	87,8
2/3	55,3 (38,3- 71,4)	93,2 (87,1- 97,0)	8,15	0,48	72,4	86,6
3/4	26,3 (13,4- 43,1)	96,6 (91,5- 99,0)	7,76	0,76	71,4	80,3
4/5	26,3 (13,4- 43,1)	97,5 (92,7- 99,4)	10,35	0,76	76,9	80,4
5/6	23,7 (11,5- 40,2)	97,5 (92,7- 99,4)	9,32	0,78	75,0	79,9
6/7	18,4 (7,8- 34,3)	98,3 (94,0- 99,7)	10,87	0,83	77,8	78,9
7/8	10,5 (3,0- 24,8)	98,3 (94,0- 99,7)	6,21	0,91	66,7	77,3
8/9	2,6 (0,4- 13,9)	99,2 (95,4- 99,9)	3,11	0,98	50,0	76,0
9/10	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0	76,1
17/18	0,0 (0,0- 9,3)	100,0 (96,9-100,0)		1,00	75,6	

SM 8. Range of PBO scale 3 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting severe bonding disorder.

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00	3,8		
0/1	100,0 (54,1-100,0)	69,3 (61,3- 76,6)	3,26	0,00	11,5	100,0
1/2	100,0 (54,1-100,0)	82,0 (74,9- 87,8)	5,56	0,00	18,2	100,0
2/3	83,3 (36,1- 97,2)	84,0 (77,1- 89,5)	5,21	0,20	17,2	99,2
3/4	66,7 (22,7- 94,7)	93,3 (88,1- 96,8)	10,00	0,36	28,6	98,6
4/5	66,7 (22,7- 94,7)	94,0 (88,9- 97,2)	11,11	0,35	30,8	98,6
5/6	66,7 (22,7- 94,7)	94,7 (89,8- 97,7)	12,50	0,35	33,3	98,6
6/7	50,0 (12,4- 87,6)	96,0 (91,5- 98,5)	12,50	0,52	33,3	98,0
7/8	16,7 (2,8- 63,9)	96,7 (92,4- 98,9)	5,00	0,86	16,7	96,7
8/9	16,7 (2,8- 63,9)	99,3 (96,3- 99,9)	25,00	0,84	50,0	96,8
9/10	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0	96,8
17/18	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00	96,2	

SM 9. *Range of PBQ scale 4 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting bonding disorder.*

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00	24,4		
0/1	73,7 (56,9- 86,6)	81,4 (73,1- 87,9)	3,95	0,32	56,0	90,6
1/2	31,6 (17,5- 48,7)	94,9 (89,3- 98,1)	6,21	0,72	66,7	81,2
2/3	15,8 (6,1- 31,3)	99,2 (95,4- 99,9)	18,63	0,85	85,7	78,5
3/4	10,5 (3,0- 24,8)	99,2 (95,4- 99,9)	12,42	0,90	80,0	77,5
4/5	5,3 (0,8- 17,8)	99,2 (95,4- 99,9)	6,21	0,96	66,7	76,5
5/6	5,3 (0,8- 17,8)	100,0 (96,9-100,0)		0,95	100,0	76,6
6/7	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0	76,1
8/9	0,0 (0,0- 9,3)	100,0 (96,9-100,0)	1,00		75,6	

SM 10. *Range of PBQ scale 4 thresholds and the corresponding values of sensitivity, specificity, positive and negative predictive values, and positive and negative likelihood ratios for detecting severe bonding disorder.*

Score	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV	-PV
0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00	3,8		
0/1	83,3 (36,1- 97,2)	70,0 (62,0- 77,2)	2,78	0,24	10,0	99,1
1/2	16,7 (2,8- 63,9)	88,7 (82,5- 93,3)	1,47	0,94	5,6	96,4
2/3	0,0 (0,0- 45,9)	95,3 (90,6- 98,1)	0,00	1,05	0,0	96,0
3/4	0,0 (0,0- 45,9)	96,7 (92,4- 98,9)	0,00	1,03	0,0	96,0
4/5	0,0 (0,0- 45,9)	98,0 (94,3- 99,6)	0,00	1,02	0,0	96,1
5/6	0,0 (0,0- 45,9)	98,7 (95,3- 99,8)	0,00	1,01	0,0	96,1
6/7	0,0 (0,0- 45,9)	99,3 (96,3- 99,9)	0,00	1,01	0,0	96,1
8/9	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00		96,2

SM 11. *STATA codes and outputs of exploration of missing values*

```
. misstable summarize DXVMIBinarioCons DXVMIBinarioConsII Result_BirmingII  
Result_Birming grave totalpbq2 DXEntrevista Diag_cat edad
```

```
> nacim estudios pareja primipara problecon trabajo plani fiv tratprev trata antecefamil  
Sexbebe1 PesoNac1 lactancia pbq2_f1 pbq2_f
```

```
> 2 pbq2_f3 pbq2_f4 pbq1_f1 pbq1_f2 pbq1_f3 pbq1_f4 pbq1_total
```

Obs<.

+-----						
Unique						
Variable	Obs=.	Obs>.	Obs<.	values	Min	Max
-----+-----+-----						
edad	1	155	26	20	45	
nacim	1	155	3	1	3	
estudios	7	149	5	0	4	
pareja	1	155	4	0	4	
primipara	1	155	2	0	1	
problecon	3	153	2	0	1	
trabajo	4	152	6	1	6	
plani	5	151	4	1	4	
fiv	14	142	2	0	1	
tratprev	4	152	2	1	2	
trata	4	152	2	1	2	
antecefamil	7	149	2	1	2	
Sexbebe1	9	147	2	1	2	
PesoNac1	21	135	93	916	4400	
lactancia	13	143	2	1	2	
pbq1_f1	31	125	15	0	15	
pbq1_f2	31	125	19	0	19	
pbq1_f3	31	125	12	0	12	
pbq1_f4	31	125	7	0	8	
pbq1_total	31	125	38	0	40	

SM 12. STATA codes and outputs of Shapiro-Wilk test for normality of PBQ scores.

```
. by DXVMIBinarioCons, sort : swilk totalpbq2 pbq2_f1 pbq2_f2 pbq2_f3 pbq2_f4  
pbq1_total pbq1_f1 pbq1_f2 pbq1_f3 pbq1_f4
```

```
-----  
-----  
-> DXVMIBinarioCons = vmi no alt
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
-----+-----					
totalpbq2	118	0.89863	9.617	5.067	0.00000
pbq2_f1	118	0.82434	16.665	6.297	0.00000
pbq2_f2	118	0.94698	5.030	3.616	0.00015
pbq2_f3	118	0.63962	34.190	7.906	0.00000
pbq2_f4	118	0.75076	23.646	7.080	0.00000
pbq1_total	96	0.86115	11.081	5.324	0.00000
pbq1_f1	96	0.85772	11.354	5.378	0.00000
pbq1_f2	96	0.94118	4.694	3.423	0.00031
pbq1_f3	96	0.67894	25.621	7.179	0.00000
pbq1_f4	96	0.76301	18.913	6.507	0.00000

```
-----  
-----  
-> DXVMIBinarioCons = vmi altera
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
-----+-----					
totalpbq2	38	0.93660	2.409	1.845	0.03254
pbq2_f1	38	0.94631	2.040	1.496	0.06734
pbq2_f2	38	0.98479	0.578	-1.150	0.87492
pbq2_f3	38	0.82120	6.795	4.020	0.00003
pbq2_f4	38	0.78839	8.041	4.373	0.00001
pbq1_total	29	0.97761	0.694	-0.754	0.77465
pbq1_f1	29	0.96813	0.988	-0.025	0.51016
pbq1_f2	29	0.98946	0.327	-2.308	0.98950
pbq1_f3	29	0.90863	2.832	2.148	0.01586
pbq1_f4	29	0.83781	5.027	3.332	0.00043

SM13. STATA codes and outputs of descriptive statistics

```
. summarize edad
```

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
edad	155	35.01935	4.784269	20	45

```
. tabulate nacim
```

lugar nacimiento	Freq.	Percent	Cum.
-----+-----			
catalunya	107	69.03	69.03
otra autonomía española	24	15.48	84.52
otro país	24	15.48	100.00
-----+-----			
Total	155	100.00	

```
tabulate estudios
```

nivel de estudios	Freq.	Percent	Cum.
-----+-----			
sin certificado	2	1.34	1.34
primaria (graduado escolar)	22	14.77	16.11
secundaria (bachiller, fp2)	34	22.82	38.93
superior (diplomatura, licenciatura)	91	61.07	100.00
-----+-----			
Total	149	100.00	

```
tabulate pareja
```

tiene	Freq.	Percent	Cum.
-----+-----			
pareja			
no	9	5.81	5.81
si	146	94.19	100.00
-----+-----			
Total	155	100.00	

```
. tabulate primipara
```

primipara	Freq.	Percent	Cum.
-----+-----			
no	71	45.81	45.81
si	84	54.19	100.00
-----+-----			
Total	155	100.00	

```
. tabulate problecon
```

problecon	Freq.	Percent	Cum.
-----+-----			

no	121	79.08	79.08
si	32	20.92	100.00
-----+-----			
Total	153	100.00	

. tabulate trabajo

trabajo	Freq.	Percent	Cum.
-----+-----			
ama de casa	12	7.89	7.89
estudiante	4	2.63	10.53
trabajadora (cualquier trabajo pagado),	115	75.66	86.18
no tengo empleo pero estoy buscando (de	12	7.89	94.08
invalidez transitoria	5	3.29	97.37
invalidez permanente	4	2.63	100.00
-----+-----			
Total	152	100.00	

. tabulate plani

planificación del embarazo	Freq.	Percent	Cum.
-----+-----			
sÃ-, fue planificado y bien recibido	107	70.86	70.86
no fue planificado de forma activa, per	36	23.84	94.70
no, fue un accidente	7	4.64	99.34
planificado pero no bien recibido	1	0.66	100.00
-----+-----			
Total	151	100.00	

. tabulate fiv

fiv	Freq.	Percent	Cum.
-----+-----			
no	112	78.87	78.87
si	30	21.13	100.00
-----+-----			
Total	142	100.00	

. tabulate tratprev

tratamiento			
previo	Freq.	Percent	Cum.
-----+-----			
no	31	20.39	20.39
si	121	79.61	100.00
-----+-----			
Total	152	100.00	

. tabulate antecefamil

antecedente	
s	

familiares			
si/no	Freq.	Percent	Cum.
-----+-----			
no	76	51.01	51.01
si	73	48.99	100.00
-----+-----			
Total	149	100.00	

. tabulate Sexbebe1

sexo bebé			
1	Freq.	Percent	Cum.
-----+-----			
mujer	60	40.82	40.82
hombre	87	59.18	100.00
-----+-----			
Total	147	100.00	

summarize PesoNac1

Variable	Obs	Mean	Std. Dev.	Min	Max
-----+-----					
PesoNac1	135	3065.667	539.5584	916	4400

tabulate lactancia

uso de la			
lactancia			
inicial	Freq.	Percent	Cum.
-----+-----			
no	37	25.87	25.87
si	106	74.13	100.00
-----+-----			
Total	143	100.00	

. recode PesoNac1(min/2499 = 1) (2500/max = 2), gen(PesoRN)
(135 differences between PesoNac1 and PesoRN)

. tabulate PesoRN

RECODE of			
PesoNac1			
(peso al			
nacer bebÃ©			
1)	Freq.	Percent	Cum.
-----+-----			
1	17	12.59	12.59
2	118	87.41	100.00
-----+-----			
Total	135	100.00	

. tabulate Diag_cat

diagnostico categorias				
amplias Freq. Percent Cum.				
-----+-----				
trastorno depresivo	68	43.59	43.59	
trastorno ansiedad	57	36.54	80.13	
toc	13	8.33	88.46	
tept	5	3.21	91.67	
trastorno psicótico	3	1.92	93.59	
trastorno bipolar	4	2.56	96.15	
trastorno personalidad	3	1.92	98.08	
tdah	1	0.64	98.72	
trastorno uso sustancias	1	0.64	99.36	
trastorno disociativo	1	0.64	100.00	
-----+-----				
Total	156	100.00		

SM14. *STATA codes and outputs of prevalence rates of bonding disorders*

. ci DXVMIBinarioCons

Variable	Obs	Mean	Std. Err.	[95% Conf. Interval]	
-----+-----					
DXVMIBinar~s	156	.2435897	.034478	.1754823	.3116972

. ci grave3

Variable	Obs	Mean	Std. Err.	[95% Conf. Interval]	
-----+-----					
grave3	156	.0384615	.0154465	.0079487	.0689744

SM15. *STATA codes and outputs of inter-rater reliability of bonding disorder.*

kap Rater1_NB Rater2_NB, tab

rater 1	rater 2		
normal	normal	bond	
bond	0	1	Total
-----+-----+-----			
0	13	2	15
1	1	29	30
-----+-----+-----			
Total	14	31	45

Expected					
Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z

93.33%	56.30%	0.8475	0.1489	5.69	0.0000

. kap Rater1_PBD Rater2_PBD, tab

rater 1	rater 2		
past	past	bonding	
bonding	disorder		
disorder	0	1	Total
-----+-----+-----			
0	40	1	41
1	0	4	4
-----+-----+-----			
Total	40	5	45

Expected					
Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z

97.78%	81.98%	0.8767	0.1479	5.93	0.0000

. kap Rater1_BD Rater2_BD, tab

rater 1	rater 2		
bonding	bonding	disorder	
disorder	0	1	Total
-----+-----+-----			
0	32	2	34
1	2	9	11
-----+-----+-----			
Total	34	11	45

Expected					
Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z

```
-----
91.11%   63.06%   0.7594   0.1491   5.09   0.0000
```

```
. kap Rater1_MBD Rater2_MBD, tab
```

rater 1	rater 2 mild bd		
mild bd	0	1	Total
-----+-----+-----			
0	39	1	40
1	2	3	5
-----+-----+-----			
Total	41	4	45

Expected					
Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z

93.33%	81.98%	0.6301	0.1479	4.26	0.0000

```
. kap Rater1_MBDIF Rater2_MBDIF, tab
```

rater 1	rater 2 mild bd +		
mild bd +	infant focused		
infant	anxiety		
focused	anxiety		
anxiety	0	1	Total
-----+-----+-----			
0	42	1	43
1	0	2	2
-----+-----+-----			
Total	42	3	45

Expected					
Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z

97.78%	89.48%	0.7887	0.1457	5.41	0.0000

```
. kap Rater1_MBDPA Rater2_MBDPA, tab
```

rater 1	rater 2 mild bd +		
mild bd +	mild pa		
mild pa	0	1	Total
-----+-----+-----			
0	44	0	44
1	0	1	1
-----+-----+-----			
Total	44	1	45

Expected

Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z
100.00%	95.65%	1.0000	0.1491	6.71	0.0000

. kap Rater1_TR Rater2_TR, tab

rater 1 rater 2 threatened			
threatened		rejection	
rejection	0	1	Total
0	42	0	42
1	0	3	3
Total	42	3	45

Expected					
Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z
100.00%	87.56%	1.0000	0.1491	6.71	0.0000

SM16. *STATA codes of the distribution of the PBQ scores by diagnostic groups.*

```
. graph box totalpbq2, over(grave)
```

```
. tabstat totalpbq2, s(n p25 p50 p75 iqr)
```

variable	N	p25	p50	p75	iqr
totalpbq2	156	4	8.5	17.5	13.5

```
. summarize totalpbq2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
totalpbq2	156	11.10256	9.309156	0	51

```
. table TV_NOTV_antec, contents(median totalpbq2 iqr totalpbq2 )
```

TV_NOTV_antec	med(totalp~2)	iqr(totalp~2)
no tv	6	6
antecedentes de tv	8.5	10
tv	22	8

```
. table TV_NOTV_antec, contents(median pbq1_total iqr pbq1_total)
```

TV_NOTV_antec	med(pbq1_t~l)	iqr(pbq1_t~l)
no tv	6	6
antecedentes de tv	13	10
tv	24	13

```
. table TypeBD, contents(median totalpbq2 iqr totalpbq2 )
```

type bd	med(totalp~2)	iqr(totalp~2)
mild bonding disorder	19	11
mild bd + if anxiety	23	8.5
mild bd + pa	18	9
threatened rejection	29	21

```
. table TypeBD, contents(median pbq1_total iqr pbq1_total)
```

type bd med(pbq1_t~l) iqr(pbq1_t~l)		
-----+-----		
mild bonding disorder	22	15
mild bd + if anxiety	27	7.5
mild bd + pa	18	11
threatened rejection	30	2

SM17. *STATA codes and outputs of comparisons between mean PBQ scores by diagnostic groups*

```
. kwallis totalpbq2, by( grave)
```

Kruskal-Wallis equality-of-populations rank test

```
+-----+
|  grave | Obs | Rank Sum |
+-----+-----+
|  no tv | 118 | 7345.00 |
|    tv |  32 | 4025.00 |
| tv grave |  6 |  876.00 |
+-----+
```

```
chi-squared = 63.719 with 2 d.f.
probability = 0.0001
```

```
chi-squared with ties = 63.928 with 2 d.f.
probability = 0.0001
```

```
. ranksum totalpbq2, by( notv_tv)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

```
notv_tv |  obs  rank sum  expected
+-----+-----+
    0 |  118    7335    8909
    1 |   32    3990    2416
+-----+-----+
combined |   150   11325   11325
```

```
unadjusted variance 47514.67
adjustment for ties  -170.98
```

```
-----
adjusted variance 47343.69
```

```
Ho: totalp~2(notv_tv==0) = totalp~2(notv_tv==1)
      z = -7.234
      Prob > |z| = 0.0000
```

```
. ranksum totalpbq2, by( notv_tvgrave)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

```
notv_tvgrave |  obs  rank sum  expected
+-----+-----+
    0 |  118    7031    7375
    2 |   6     719     375
```


+-----+			
combined	124	7750	7750

unadjusted variance 7375.00
 adjustment for ties -41.94

adjusted variance	7333.06

Ho: totalp~2(notv_t~e==0) = totalp~2(notv_t~e==2)
 z = -4.017
 Prob > |z| = 0.0001

. ranksum totalpbq2, by(tv_tvgrave)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

tv_tvgrave	obs	rank sum	expected
+-----+			
1	32	563	624
2	6	178	117
+-----+			
combined	38	741	741

unadjusted variance 624.00
 adjustment for ties -3.14

adjusted variance	620.86

Ho: totalp~2(tv_tvgr~e==1) = totalp~2(tv_tvgr~e==2)
 z = -2.448
 Prob > |z| = 0.0144

. kwallis pbq1_total, by(TV_NOTV_antec)

Kruskal-Wallis equality-of-populations rank test

+-----+			
TV_NOTV_~c	Obs	Rank Sum	
-----+-----			
no tv	83	4033.50	
antecedent	13	908.00	
tv	29	2933.50	
+-----+			

chi-squared = 45.750 with 2 d.f.
 probability = 0.0001

chi-squared with ties = 45.905 with 2 d.f.
 probability = 0.0001

```
. ranksum pbq1_total, by( notv_antec)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

notv_antec	obs	rank sum	expected
-----+-----			
0	83	3829.5	4025.5
1	13	826.5	630.5
-----+-----			
combined	96	4656	4656

unadjusted variance 8721.92

adjustment for ties -59.81

adjusted variance 8662.11

Ho: pbq1_t~l(notv_a~c==0) = pbq1_t~l(notv_a~c==1)

z = -2.106

Prob > |z| = 0.0352

```
. ranksum pbq1_total, by( tv_notv2)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

tv_notv2	obs	rank sum	expected
-----+-----			
0	83	3690	4689.5
2	29	2638	1638.5
-----+-----			
combined	112	6328	6328

unadjusted variance 22665.92

adjustment for ties -82.09

adjusted variance 22583.82

Ho: pbq1_t~l(tv_notv2==0) = pbq1_t~l(tv_notv2==2)

z = -6.651

Prob > |z| = 0.0000

```
. ranksum pbq1_total, by( ante_tv)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

ante_tv	obs	rank sum	expected
-----+-----			
1	13	172.5	279.5
2	29	730.5	623.5
-----+-----			
combined	42	903	903

```

unadjusted variance    1350.92
adjustment for ties    -1.53
-----
adjusted variance      1349.38

```

```

Ho: pbq1_t~l(ante_tv==1) = pbq1_t~l(ante_tv==2)
      z = -2.913
      Prob > |z| = 0.0036

```

```
. kwallis totalpbq2, by( TV_NOTV_antec)
```

Kruskal-Wallis equality-of-populations rank test

```

+-----+
| TV_NOTV_~c | Obs | Rank Sum |
+-----+-----+-----+
|   no tv | 104 | 6289.50 |
| antecedent | 14 | 1055.50 |
|     tv | 38 | 4901.00 |
+-----+

```

```

chi-squared = 64.052 with 2 d.f.
probability = 0.0001

```

```

chi-squared with ties = 64.262 with 2 d.f.
probability = 0.0001

```

```
. ranksum totalpbq2, by( notv_antec)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

```

notv_antec |   obs   rank sum   expected
-----+-----
      0 |   104     6018     6188
      1 |    14     1003      833
-----+-----
combined |   118     7021     7021

```

```

unadjusted variance    14438.67
adjustment for ties    -94.70
-----
adjusted variance      14343.96

```

```

Ho: totalp~2(notv_a~c==0) = totalp~2(notv_a~c==1)
      z = -1.419
      Prob > |z| = 0.1558

```

```
. ranksum totalpbq2, by( tv_notv2)
```

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

tv_notv2	obs	rank sum	expected
0	104	5731.5	7436
2	38	4421.5	2717
combined	142	10153	10153

unadjusted variance 47094.67

adjustment for ties -160.87

adjusted variance 46933.80

Ho: totalp~2(tv_notv2==0) = totalp~2(tv_notv2==2)

z = -7.868

Prob > |z| = 0.0000

. ranksum totalpbq2, by(ante_tv)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

ante_tv	obs	rank sum	expected
1	14	157.5	371
2	38	1220.5	1007
combined	52	1378	1378

unadjusted variance 2349.67

adjustment for ties -7.52

adjusted variance 2342.14

Ho: totalp~2(ante_tv==1) = totalp~2(ante_tv==2)

z = -4.412

Prob > |z| = 0.0000

. kwallis pbq1_total, by(TypeBD)

Kruskal-Wallis equality-of-populations rank test

TypeBD	Obs	Rank Sum
mild bondi	17	236.50
mild bd +	4	74.00
mild bd +	3	31.00
threatened	5	93.50

chi-squared = 2.799 with 3 d.f.
probability = 0.4237

chi-squared with ties = 2.802 with 3 d.f.
probability = 0.4231

. kwallis totalpbq2, by(TypeBD)

Kruskal-Wallis equality-of-populations rank test

+-----+			
TypeBD	Obs	Rank Sum	
-----+-----+-----			
mild bondi	21	327.50	
mild bd +	8	187.00	
mild bd +	3	48.50	
threatened	6	178.00	
+-----+			

chi-squared = 8.857 with 3 d.f.
probability = 0.0313

chi-squared with ties = 8.902 with 3 d.f.
probability = 0.0306

. ranksum totalpbq2, by(MBD_MBDIF)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

MBD_MBDIF	obs	rank sum	expected
-----+			
1	21	280	315
2	8	155	120
-----+			
combined	29	435	435

unadjusted variance 420.00
adjustment for ties -1.45

adjusted variance 418.55

Ho: totalp~2(MBD_MB~F==1) = totalp~2(MBD_MB~F==2)
z = -1.711
Prob > |z| = 0.0871

. ranksum totalpbq2, by(MBD_MBDPA)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

MBD_MBDPA	obs	rank sum	expected
-----+-----			
1	21	260	262.5
3	3	40	37.5
-----+-----			
combined	24	300	300

unadjusted variance 131.25

adjustment for ties -0.74

adjusted variance 130.51

Ho: totalp~2(MBD_MB~A==1) = totalp~2(MBD_MB~A==3)

z = -0.219

Prob > |z| = 0.8268

. ranksum totalpbq2, by(MBD_TR)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

MBD_TR	obs	rank sum	expected
-----+-----			
1	21	249.5	294
4	6	128.5	84
-----+-----			
combined	27	378	378

unadjusted variance 294.00

adjustment for ties -1.08

adjusted variance 292.92

Ho: totalp~2(MBD_TR==1) = totalp~2(MBD_TR==4)

z = -2.600

Prob > |z| = 0.0093

. ranksum totalpbq2, by(MBDIF_MBDPA)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

MBDIF_MBDPA	obs	rank sum	expected
-----+-----			
2	8	54	48
3	3	12	18
-----+-----			
combined	11	66	66

unadjusted variance 24.00

adjustment for ties -0.22

adjusted variance 23.78

Ho: totalp~2(MBDIF_~A==2) = totalp~2(MBDIF_~A==3)

z = 1.230

Prob > |z| = 0.2186

. ranksum totalpbq2, by(MBDIF_TR)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

MBDIF_TR	obs	rank sum	expected
-----+-----			
2	8	50	60
4	6	55	45
-----+-----			
combined	14	105	105

unadjusted variance 60.00

adjustment for ties -0.79

adjusted variance 59.21

Ho: totalp~2(MBDIF_TR==2) = totalp~2(MBDIF_TR==4)

z = -1.300

Prob > |z| = 0.1937

. ranksum totalpbq2, by(MBDPA_TR)

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

MBDPA_TR	obs	rank sum	expected
-----+-----			
3	3	8.5	15
4	6	36.5	30
-----+-----			
combined	9	45	45

unadjusted variance 15.00

adjustment for ties -0.63

adjusted variance 14.38

Ho: totalp~2(MBDPA_TR==3) = totalp~2(MBDPA_TR==4)

z = -1.714

Prob > |z| = 0.0865

. by TV_NOTV_antec, sort: signrank pbq1_total=totalpbq2

-> TV_NOTV_antec = no tv

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	38	2046.5	1675
negative	29	1303.5	1675
zero	16	136	136
-----+-----			
all	83	3486	3486

unadjusted variance 48513.50

adjustment for ties -112.13

adjustment for zeros -374.00

adjusted variance 48027.38

Ho: pbq1_total = totalpbq2

z = 1.695

Prob > |z| = 0.0900

-> TV_NOTV_antec = antecedent

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	7	62	45
negative	5	28	45
zero	1	1	1
-----+-----			
all	13	91	91

unadjusted variance 204.75

adjustment for ties -0.63

adjustment for zeros -0.25

adjusted variance 203.88

Ho: pbq1_total = totalpbq2

z = 1.191

Prob > |z| = 0.2338

-> TV_NOTV_antec = tv

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	13	259	203.5
negative	9	148	203.5
zero	7	28	28
-----+-----			
all	29	435	435

unadjusted variance 2138.75

adjustment for ties -2.25

adjustment for zeros -35.00

adjusted variance 2101.50

Ho: pbq1_total = totalpbq2

z = 1.211

Prob > |z| = 0.2260

. by TypeBD, sort: signrank pbq1_total= totalpbq2

-> TypeBD = mild bondi

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	8	105	73.5
negative	6	42	73.5
zero	3	6	6
-----+-----			
all	17	153	153

unadjusted variance 446.25

adjustment for ties -0.88

adjustment for zeros -3.50

adjusted variance 441.88

Ho: pbq1_total = totalpbq2

z = 1.499

Prob > |z| = 0.1340

-> TypeBD = mild bd +

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	2	7	3.5
negative	0	0	3.5
zero	2	3	3
-----+-----			
all	4	10	10

unadjusted variance 7.50

adjustment for ties 0.00

adjustment for zeros -1.25

adjusted variance 6.25

Ho: pbq1_total = totalpbq2

z = 1.400

Prob > |z| = 0.1615

-> TypeBD = mild bd +

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	0	0	1.5
negative	1	3	1.5
zero	2	3	3
-----+-----			
all	3	6	6

unadjusted variance 3.50

adjustment for ties 0.00

adjustment for zeros -1.25

adjusted variance 2.25

Ho: pbq1_total = totalpbq2

z = -1.000

Prob > |z| = 0.3173

-> TypeBD = threatened

Wilcoxon signed-rank test

sign	obs	sum ranks	expected
-----+-----			
positive	3	6	7.5
negative	2	9	7.5
zero	0	0	0
-----+-----			
all	5	15	15

unadjusted variance 13.75

adjustment for ties 0.00

adjustment for zeros 0.00

adjusted variance 13.75

Ho: pbq1_total = totalpbq2

z = -0.405

Prob > |z| = 0.6858

SM18. *STATA codes and outputs of receiver operating characteristic (ROC) curves*

. roctab DXVMIBinarioCons totalpbq2, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	24.36%	1.0000	
(>= 1)	100.00%	2.54%	26.28%	1.0261	0.0000
(>= 2)	100.00%	6.78%	29.49%	1.0727	0.0000
(>= 3)	100.00%	18.64%	38.46%	1.2292	0.0000
(>= 4)	100.00%	29.66%	46.79%	1.4217	0.0000
(>= 5)	100.00%	35.59%	51.28%	1.5526	0.0000
(>= 6)	97.37%	42.37%	55.77%	1.6896	0.0621
(>= 7)	97.37%	50.00%	61.54%	1.9474	0.0526
(>= 8)	94.74%	56.78%	66.03%	2.1920	0.0927
(>= 9)	92.11%	63.56%	70.51%	2.5275	0.1242
(>= 10)	92.11%	75.42%	79.49%	3.7477	0.1047
(>= 11)	92.11%	80.51%	83.33%	4.7254	0.0981
(>= 12)	92.11%	83.90%	85.90%	5.7202	0.0941
(>= 13)	92.11%	87.29%	88.46%	7.2456	0.0904
(>= 14)	89.47%	88.14%	88.46%	7.5414	0.1194
(>= 15)	84.21%	90.68%	89.10%	9.0335	0.1741
(>= 17)	84.21%	91.53%	89.74%	9.9368	0.1725
(>= 18)	76.32%	91.53%	87.82%	9.0053	0.2588
(>= 19)	63.16%	94.92%	87.18%	12.4210	0.3882
(>= 20)	60.53%	95.76%	87.18%	14.2842	0.4122
(>= 21)	55.26%	95.76%	85.90%	13.0421	0.4672
(>= 22)	52.63%	96.61%	85.90%	15.5263	0.4903
(>= 23)	47.37%	98.31%	85.90%	27.9474	0.5354
(>= 24)	44.74%	98.31%	85.26%	26.3947	0.5622
(>= 25)	39.47%	98.31%	83.97%	23.2895	0.6157
(>= 26)	31.58%	99.15%	82.69%	37.2631	0.6901
(>= 27)	21.05%	99.15%	80.13%	24.8421	0.7962
(>= 28)	21.05%	100.00%	80.77%		0.7895
(>= 29)	18.42%	100.00%	80.13%		0.8158
(>= 32)	15.79%	100.00%	79.49%		0.8421
(>= 35)	7.89%	100.00%	77.56%		0.9211
(>= 47)	5.26%	100.00%	76.92%		0.9474
(>= 51)	2.63%	100.00%	76.28%		0.9737
(> 51)	0.00%	100.00%	75.64%		1.0000

ROC		-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]	
156	0.9277	0.0245	0.87979	0.97570

. roctab DXVMIBinarioCons pbq2_f1, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	24.36%	1.0000	
(>= 1)	97.37%	48.31%	60.26%	1.8835	0.0545
(>= 2)	92.11%	68.64%	74.36%	2.9374	0.1150
(>= 3)	86.84%	79.66%	81.41%	4.2697	0.1652
(>= 4)	78.95%	90.68%	87.82%	8.4689	0.2322
(>= 5)	68.42%	93.22%	87.18%	10.0921	0.3388
(>= 6)	63.16%	94.92%	87.18%	12.4210	0.3882
(>= 7)	42.11%	97.46%	83.97%	16.5614	0.5941
(>= 8)	36.84%	98.31%	83.33%	21.7368	0.6425
(>= 9)	28.95%	98.31%	81.41%	17.0789	0.7228
(>= 10)	28.95%	99.15%	82.05%	34.1579	0.7166
(>= 12)	23.68%	100.00%	81.41%		0.7632
(>= 13)	10.53%	100.00%	78.21%		0.8947
(>= 15)	7.89%	100.00%	77.56%		0.9211
(>= 21)	2.63%	100.00%	76.28%		0.9737
(> 21)	0.00%	100.00%	75.64%		1.0000

Obs	ROC	-Asymptotic Normal--		
	Area	Std. Err.	[95% Conf. Interval]	
156	0.9106	0.0278	0.85613	0.96501

. roctab DXVMIBinarioCons pbq2_f2, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	24.36%	1.0000	
(>= 1)	100.00%	2.54%	26.28%	1.0261	0.0000
(>= 2)	100.00%	11.86%	33.33%	1.1346	0.0000
(>= 3)	100.00%	22.88%	41.67%	1.2967	0.0000
(>= 4)	100.00%	37.29%	52.56%	1.5946	0.0000
(>= 5)	92.11%	46.61%	57.69%	1.7251	0.1694
(>= 6)	89.47%	59.32%	66.67%	2.1996	0.1774
(>= 7)	86.84%	66.95%	71.79%	2.6275	0.1965
(>= 8)	86.84%	72.03%	75.64%	3.1053	0.1827

(>= 9)	78.95%	82.20%	81.41%	4.4361	0.2561
(>= 10)	63.16%	88.98%	82.69%	5.7328	0.4140
(>= 11)	57.89%	92.37%	83.97%	7.5906	0.4558
(>= 12)	50.00%	95.76%	84.62%	11.8000	0.5221
(>= 13)	36.84%	95.76%	81.41%	8.6947	0.6595
(>= 14)	28.95%	97.46%	80.77%	11.3860	0.7291
(>= 15)	18.42%	98.31%	78.85%	10.8684	0.8299
(>= 16)	13.16%	98.31%	77.56%	7.7632	0.8834
(>= 17)	10.53%	99.15%	77.56%	12.4210	0.9024
(>= 18)	7.89%	99.15%	76.92%	9.3158	0.9289
(>= 19)	5.26%	100.00%	76.92%		0.9474
(>= 20)	2.63%	100.00%	76.28%		0.9737
(> 20)	0.00%	100.00%	75.64%		1.0000

	ROC	-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]	
156	0.8696	0.0322	0.80662	0.93267

. roctab DXVMIBinarioCons pbq2_f3, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	24.36%	1.0000	
(>= 1)	68.42%	77.97%	75.64%	3.1053	0.4050
(>= 2)	60.53%	91.53%	83.97%	7.1421	0.4313
(>= 3)	55.26%	93.22%	83.97%	8.1513	0.4799
(>= 4)	26.32%	96.61%	79.49%	7.7632	0.7627
(>= 5)	26.32%	97.46%	80.13%	10.3509	0.7561
(>= 6)	23.68%	97.46%	79.49%	9.3158	0.7831
(>= 7)	18.42%	98.31%	78.85%	10.8684	0.8299
(>= 8)	10.53%	98.31%	76.92%	6.2105	0.9102
(>= 9)	2.63%	99.15%	75.64%	3.1053	0.9820
(>= 18)	2.63%	100.00%	76.28%		0.9737
(> 18)	0.00%	100.00%	75.64%		1.0000

	ROC	-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]	
156	0.7724	0.0455	0.68321	0.86161

. roctab DXVMIBinarioCons pbq2_f4, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	24.36%	1.0000	
(>= 1)	73.68%	81.36%	79.49%	3.9522	0.3235
(>= 2)	31.58%	94.92%	79.49%	6.2105	0.7209
(>= 3)	15.79%	99.15%	78.85%	18.6316	0.8493
(>= 4)	10.53%	99.15%	77.56%	12.4210	0.9024
(>= 5)	5.26%	99.15%	76.28%	6.2105	0.9555
(>= 6)	5.26%	100.00%	76.92%		0.9474
(>= 8)	2.63%	100.00%	76.28%		0.9737
(> 8)	0.00%	100.00%	75.64%		1.0000

Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]
156	0.7884	0.0416	0.70684 0.86988

. roctab grave3 totalpbq2, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	3.85%	1.0000	
(>= 1)	100.00%	2.00%	5.77%	1.0204	0.0000
(>= 2)	100.00%	5.33%	8.97%	1.0563	0.0000
(>= 3)	100.00%	14.67%	17.95%	1.1719	0.0000
(>= 4)	100.00%	23.33%	26.28%	1.3043	0.0000
(>= 5)	100.00%	28.00%	30.77%	1.3889	0.0000
(>= 6)	100.00%	34.00%	36.54%	1.5152	0.0000
(>= 7)	100.00%	40.00%	42.31%	1.6667	0.0000
(>= 8)	100.00%	46.00%	48.08%	1.8519	0.0000
(>= 9)	100.00%	52.00%	53.85%	2.0833	0.0000
(>= 10)	100.00%	61.33%	62.82%	2.5862	0.0000
(>= 11)	100.00%	65.33%	66.67%	2.8846	0.0000
(>= 12)	100.00%	68.00%	69.23%	3.1250	0.0000
(>= 13)	100.00%	70.67%	71.79%	3.4091	0.0000
(>= 14)	100.00%	72.00%	73.08%	3.5714	0.0000
(>= 15)	100.00%	75.33%	76.28%	4.0541	0.0000
(>= 17)	100.00%	76.00%	76.92%	4.1667	0.0000
(>= 18)	100.00%	78.00%	78.85%	4.5455	0.0000
(>= 19)	83.33%	83.33%	83.33%	5.0000	0.2000
(>= 20)	83.33%	84.67%	84.62%	5.4348	0.1969

(>= 21)	83.33%	86.00%	85.90%	5.9524	0.1938
(>= 22)	83.33%	87.33%	87.18%	6.5789	0.1908
(>= 23)	83.33%	90.00%	89.74%	8.3333	0.1852
(>= 24)	83.33%	90.67%	90.38%	8.9286	0.1838
(>= 25)	83.33%	92.00%	91.67%	10.4167	0.1812
(>= 26)	83.33%	94.67%	94.23%	15.6250	0.1761
(>= 27)	50.00%	96.00%	94.23%	12.5000	0.5208
(>= 28)	50.00%	96.67%	94.87%	15.0000	0.5172
(>= 29)	50.00%	97.33%	95.51%	18.7500	0.5137
(>= 32)	50.00%	98.00%	96.15%	25.0000	0.5102
(>= 35)	33.33%	99.33%	96.79%	50.0002	0.6711
(>= 47)	33.33%	100.00%	97.44%		0.6667
(>= 51)	16.67%	100.00%	96.79%		0.8333
(> 51)	0.00%	100.00%	96.15%		1.0000

	ROC	-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]	
156	0.9500	0.0316	0.88809	1.00000

. roctab grave3 pbq2_f1, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	3.85%	1.0000	
(>= 1)	100.00%	38.67%	41.03%	1.6304	0.0000
(>= 2)	100.00%	56.00%	57.69%	2.2727	0.0000
(>= 3)	100.00%	66.00%	67.31%	2.9412	0.0000
(>= 4)	100.00%	76.67%	77.56%	4.2857	0.0000
(>= 5)	100.00%	81.33%	82.05%	5.3571	0.0000
(>= 6)	100.00%	84.00%	84.62%	6.2500	0.0000
(>= 7)	83.33%	90.67%	90.38%	8.9286	0.1838
(>= 8)	83.33%	92.67%	92.31%	11.3636	0.1799
(>= 9)	83.33%	94.67%	94.23%	15.6250	0.1761
(>= 10)	83.33%	95.33%	94.87%	17.8571	0.1748
(>= 12)	66.67%	96.67%	95.51%	20.0000	0.3448
(>= 13)	50.00%	99.33%	97.44%	75.0003	0.5034
(>= 15)	50.00%	100.00%	98.08%		0.5000
(>= 21)	16.67%	100.00%	96.79%		0.8333
(> 21)	0.00%	100.00%	96.15%		1.0000

	ROC	-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]	

156 0.9689 0.0215 0.92680 1.00000

. roctab grave3 pbq2_f2, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly		LR+	LR-
		Specificity	Classified		

(>= 0)	100.00%	0.00%	3.85%	1.0000	
(>= 1)	100.00%	2.00%	5.77%	1.0204	0.0000
(>= 2)	100.00%	9.33%	12.82%	1.1029	0.0000
(>= 3)	100.00%	18.00%	21.15%	1.2195	0.0000
(>= 4)	100.00%	29.33%	32.05%	1.4151	0.0000
(>= 5)	100.00%	38.67%	41.03%	1.6304	0.0000
(>= 6)	100.00%	49.33%	51.28%	1.9737	0.0000
(>= 7)	100.00%	56.00%	57.69%	2.2727	0.0000
(>= 8)	100.00%	60.00%	61.54%	2.5000	0.0000
(>= 9)	83.33%	69.33%	69.87%	2.7174	0.2404
(>= 10)	50.00%	77.33%	76.28%	2.2059	0.6466
(>= 11)	50.00%	81.33%	80.13%	2.6786	0.6148
(>= 12)	50.00%	86.00%	84.62%	3.5714	0.5814
(>= 13)	33.33%	88.67%	86.54%	2.9412	0.7519
(>= 14)	33.33%	92.00%	89.74%	4.1667	0.7246
(>= 15)	33.33%	95.33%	92.95%	7.1428	0.6993
(>= 16)	33.33%	96.67%	94.23%	10.0000	0.6897
(>= 17)	16.67%	97.33%	94.23%	6.2500	0.8562
(>= 18)	16.67%	98.00%	94.87%	8.3333	0.8503
(>= 19)	16.67%	99.33%	96.15%	25.0001	0.8389
(>= 20)	16.67%	100.00%	96.79%		0.8333
(> 20)	0.00%	100.00%	96.15%		1.0000

Obs	ROC	-Asymptotic Normal--		
	Area	Std. Err.	[95% Conf. Interval]	

156	0.8261	0.0622	0.70410	0.94812

. roctab grave3 pbq2_f3, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly	Classified	LR+	LR-
		Specificity			

(>= 0)	100.00%	0.00%	3.85%	1.0000	
(>= 1)	100.00%	69.33%	70.51%	3.2609	0.0000

(>= 2)	100.00%	82.00%	82.69%	5.5556	0.0000
(>= 3)	83.33%	84.00%	83.97%	5.2083	0.1984
(>= 4)	66.67%	93.33%	92.31%	10.0000	0.3571
(>= 5)	66.67%	94.00%	92.95%	11.1111	0.3546
(>= 6)	66.67%	94.67%	93.59%	12.5000	0.3521
(>= 7)	50.00%	96.00%	94.23%	12.5000	0.5208
(>= 8)	16.67%	96.67%	93.59%	5.0000	0.8621
(>= 9)	16.67%	99.33%	96.15%	25.0001	0.8389
(>= 18)	16.67%	100.00%	96.79%		0.8333
(> 18)	0.00%	100.00%	96.15%		1.0000

	ROC		-Asymptotic Normal--	
Obs	Area	Std. Err.	[95% Conf. Interval]	
156	0.9328	0.0293	0.87529	0.99027

. roctab grave3 pbq2_f4, detail graph

Detailed report of Sensitivity and Specificity

Cutpoint	Sensitivity	Correctly Specificity	Classified	LR+	LR-
(>= 0)	100.00%	0.00%	3.85%	1.0000	
(>= 1)	83.33%	70.00%	70.51%	2.7778	0.2381
(>= 2)	16.67%	88.67%	85.90%	1.4706	0.9398
(>= 3)	0.00%	95.33%	91.67%	0.0000	1.0490
(>= 4)	0.00%	96.67%	92.95%	0.0000	1.0345
(>= 5)	0.00%	98.00%	94.23%	0.0000	1.0204
(>= 6)	0.00%	98.67%	94.87%	0.0000	1.0135
(>= 8)	0.00%	99.33%	95.51%	0.0000	1.0067
(> 8)	0.00%	100.00%	96.15%		1.0000

	ROC		-Asymptotic Normal--	
Obs	Area	Std. Err.	[95% Conf. Interval]	
156	0.7406	0.0843	0.57526	0.90585

SM19. MedCalc outputs of cut off scores

VARIABLE = TOTALPBQ2

CLASSIFICATION VARIABLE
DXVMIBinarioCons

POSITIVE GROUP

DXVMIBinarioCons = 1
Sample size = 38

NEGATIVE GROUP

DXVMIBinarioCons = 0
Sample size = 118

Disease prevalence (%) = 24,4

Area under the ROC curve = 0,928

Standard error = 0,030

95% Confidence interval = 0,875 to 0,963

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00		24,4
> 0	100,0 (90,7-100,0)	2,5 (0,6- 7,3)	1,03	0,00	24,8
100,0					
> 1	100,0 (90,7-100,0)	6,8 (3,0- 12,9)	1,07	0,00	25,7
100,0					
> 2	100,0 (90,7-100,0)	18,6 (12,1- 26,9)	1,23	0,00	28,4
100,0					
> 3	100,0 (90,7-100,0)	29,7 (21,6- 38,8)	1,42	0,00	31,4
100,0					
> 4	100,0 (90,7-100,0)	35,6 (27,0- 44,9)	1,55	0,00	33,3
100,0					
> 5	97,4 (86,1- 99,6)	42,4 (33,3- 51,8)	1,69	0,06	35,2
98,0					
> 6	97,4 (86,1- 99,6)	50,0 (40,7- 59,3)	1,95	0,05	38,5
98,3					
> 7	94,7 (82,2- 99,2)	56,8 (47,3- 65,9)	2,19	0,09	41,4
97,1					
> 8	92,1 (78,6- 98,2)	63,6 (54,2- 72,2)	2,53	0,12	44,9
96,2					
> 9	92,1 (78,6- 98,2)	75,4 (66,6- 82,9)	3,75	0,10	54,7
96,7					
> 10	92,1 (78,6- 98,2)	80,5 (72,2- 87,2)	4,73	0,10	60,3
96,9					
> 11	92,1 (78,6- 98,2)	83,9 (76,0- 90,0)	5,72	0,09	64,8
97,1					
> 12 *	92,1 (78,6- 98,2)	87,3 (79,9- 92,7)	7,25	0,09	70,0
97,2					
> 13	89,5 (75,2- 97,0)	88,1 (80,9- 93,4)	7,54	0,12	70,8
96,3					
> 14	84,2 (68,7- 93,9)	90,7 (83,9- 95,2)	9,03	0,17	74,4
94,7					
> 15	84,2 (68,7- 93,9)	91,5 (85,0- 95,9)	9,94	0,17	76,2
94,7					
> 17	76,3 (59,8- 88,5)	91,5 (85,0- 95,9)	9,01	0,26	74,4
92,3					
> 18	63,2 (46,0- 78,2)	94,9 (89,3- 98,1)	12,42	0,39	80,0
88,9					
> 19	60,5 (43,4- 75,9)	95,8 (90,4- 98,6)	14,28	0,41	82,1
88,3					
> 20	55,3 (38,3- 71,4)	95,8 (90,4- 98,6)	13,04	0,47	80,8
86,9					
> 21	52,6 (35,8- 69,0)	96,6 (91,5- 99,0)	15,53	0,49	83,3
86,4					

> 22	47,4 (31,0- 64,2)	98,3 (94,0- 99,7)	27,95	0,54	90,0
85,3					
> 23	44,7 (28,6- 61,7)	98,3 (94,0- 99,7)	26,39	0,56	89,5
84,7					
> 24	39,5 (24,1- 56,6)	98,3 (94,0- 99,7)	23,29	0,62	88,2
83,5					
> 25	31,6 (17,5- 48,7)	99,2 (95,4- 99,9)	37,26	0,69	92,3
81,8					
> 26	21,1 (9,6- 37,3)	99,2 (95,4- 99,9)	24,84	0,80	88,9
79,6					
> 27	21,1 (9,6- 37,3)	100,0 (96,9-100,0)		0,79	100,0
79,7					
> 28	18,4 (7,8- 34,3)	100,0 (96,9-100,0)		0,82	100,0
79,2					
> 29	15,8 (6,1- 31,3)	100,0 (96,9-100,0)		0,84	100,0
78,7					
> 32	7,9 (1,8- 21,4)	100,0 (96,9-100,0)		0,92	100,0
77,1					
> 35	5,3 (0,8- 17,8)	100,0 (96,9-100,0)		0,95	100,0
76,6					
> 47	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0
76,1					
> 51	0,0 (0,0- 9,3)	100,0 (96,9-100,0)		1,00	
75,6					

Sens. = Sensitivity
 Spec. = Specificity
 +LR = Positive likelihood ratio
 -LR = Negative likelihood ratio
 +PV = Positive predictive value
 -PV = Negative predictive value

VARIABLE = PBQ2_F1

CLASSIFICATION VARIABLE
 DXVMIBinarioCons

POSITIVE GROUP
 DXVMIBinarioCons = 1
 Sample size = 38

NEGATIVE GROUP
 DXVMIBinarioCons = 0
 Sample size = 118

Disease prevalence (%) = 24,4

Area under the ROC curve = 0,911
 Standard error = 0,033
 95% Confidence interval = 0,854 to 0,950

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00		24,4
> 0	97,4 (86,1- 99,6)	48,3 (39,0- 57,7)	1,88	0,05	37,8
98,3					
> 1	92,1 (78,6- 98,2)	68,6 (59,5- 76,9)	2,94	0,12	48,6
96,4					
> 2	86,8 (71,9- 95,5)	79,7 (71,3- 86,5)	4,27	0,17	57,9
94,9					
> 3 *	78,9 (62,7- 90,4)	90,7 (83,9- 95,2)	8,47	0,23	73,2
93,0					
> 4	68,4 (51,3- 82,5)	93,2 (87,1- 97,0)	10,09	0,34	76,5
90,2					
> 5	63,2 (46,0- 78,2)	94,9 (89,3- 98,1)	12,42	0,39	80,0
88,9					
> 6	42,1 (26,3- 59,2)	97,5 (92,7- 99,4)	16,56	0,59	84,2
83,9					

> 7	36,8 (21,8- 54,0)	98,3 (94,0- 99,7)	21,74	0,64	87,5
82,9					
> 8	28,9 (15,4- 45,9)	98,3 (94,0- 99,7)	17,08	0,72	84,6
81,1					
> 9	28,9 (15,4- 45,9)	99,2 (95,4- 99,9)	34,16	0,72	91,7
81,2					
> 10	23,7 (11,5- 40,2)	100,0 (96,9-100,0)		0,76	100,0
80,3					
> 12	10,5 (3,0- 24,8)	100,0 (96,9-100,0)		0,89	100,0
77,6					
> 13	7,9 (1,8- 21,4)	100,0 (96,9-100,0)		0,92	100,0
77,1					
> 15	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0
76,1					
> 21	0,0 (0,0- 9,3)	100,0 (96,9-100,0)		1,00	
75,6					

Sens. = Sensitivity
 Spec. = Specificity
 +LR = Positive likelihood ratio
 -LR = Negative likelihood ratio
 +PV = Positive predictive value
 -PV = Negative predictive value

VARIABLE = PBQ2_F2

CLASSIFICATION VARIABLE
 DXVMIBinarioCons

POSITIVE GROUP
 DXVMIBinarioCons = 1
 Sample size = 38

NEGATIVE GROUP
 DXVMIBinarioCons = 0
 Sample size = 118

Disease prevalence (%) = 24,4

Area under the ROC curve = 0,870
 Standard error = 0,039
 95% Confidence interval = 0,806 to 0,918

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00		24,4
> 0	100,0 (90,7-100,0)	2,5 (0,6- 7,3)	1,03	0,00	24,8
100,0					
> 1	100,0 (90,7-100,0)	11,9 (6,6- 19,1)	1,13	0,00	26,8
100,0					
> 2	100,0 (90,7-100,0)	22,9 (15,7- 31,5)	1,30	0,00	29,5
100,0					
> 3	100,0 (90,7-100,0)	37,3 (28,6- 46,7)	1,59	0,00	33,9
100,0					
> 4	92,1 (78,6- 98,2)	46,6 (37,4- 56,0)	1,73	0,17	35,7
94,8					
> 5	89,5 (75,2- 97,0)	59,3 (49,9- 68,3)	2,20	0,18	41,5
94,6					
> 6	86,8 (71,9- 95,5)	66,9 (57,7- 75,3)	2,63	0,20	45,8
94,0					
> 7	86,8 (71,9- 95,5)	72,0 (63,0- 79,9)	3,11	0,18	50,0
94,4					
> 8 *	78,9 (62,7- 90,4)	82,2 (74,1- 88,6)	4,44	0,26	58,8
92,4					
> 9	63,2 (46,0- 78,2)	89,0 (81,9- 94,0)	5,73	0,41	64,9
88,2					
> 10	57,9 (40,8- 73,7)	92,4 (86,0- 96,4)	7,59	0,46	71,0
87,2					

> 11	50,0 (33,4- 66,6)	95,8 (90,4- 98,6)	11,80	0,52	79,2
85,6					
> 12	36,8 (21,8- 54,0)	95,8 (90,4- 98,6)	8,69	0,66	73,7
82,5					
> 13	28,9 (15,4- 45,9)	97,5 (92,7- 99,4)	11,39	0,73	78,6
81,0					
> 14	18,4 (7,8- 34,3)	98,3 (94,0- 99,7)	10,87	0,83	77,8
78,9					
> 15	13,2 (4,5- 28,1)	98,3 (94,0- 99,7)	7,76	0,88	71,4
77,9					
> 16	10,5 (3,0- 24,8)	99,2 (95,4- 99,9)	12,42	0,90	80,0
77,5					
> 17	7,9 (1,8- 21,4)	99,2 (95,4- 99,9)	9,32	0,93	75,0
77,0					
> 18	5,3 (0,8- 17,8)	100,0 (96,9-100,0)		0,95	100,0
76,6					
> 19	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0
76,1					
> 20	0,0 (0,0- 9,3)	100,0 (96,9-100,0)		1,00	
75,6					

Sens. = Sensitivity
Spec. = Specificity
+LR = Positive likelihood ratio
-LR = Negative likelihood ratio
+PV = Positive predictive value
-PV = Negative predictive value

VARIABLE = PBQ2_F3

CLASSIFICATION VARIABLE
DXVMIBinarioCons

POSITIVE GROUP
DXVMIBinarioCons = 1
Sample size = 38

NEGATIVE GROUP
DXVMIBinarioCons = 0
Sample size = 118

Disease prevalence (%) = 24,4

Area under the ROC curve = 0,772
Standard error = 0,048
95% Confidence interval = 0,699 to 0,836

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00		24,4
> 0	68,4 (51,3- 82,5)	78,0 (69,4- 85,1)	3,11	0,41	50,0
88,5					
> 1 *	60,5 (43,4- 75,9)	91,5 (85,0- 95,9)	7,14	0,43	69,7
87,8					
> 2	55,3 (38,3- 71,4)	93,2 (87,1- 97,0)	8,15	0,48	72,4
86,6					
> 3	26,3 (13,4- 43,1)	96,6 (91,5- 99,0)	7,76	0,76	71,4
80,3					
> 4	26,3 (13,4- 43,1)	97,5 (92,7- 99,4)	10,35	0,76	76,9
80,4					
> 5	23,7 (11,5- 40,2)	97,5 (92,7- 99,4)	9,32	0,78	75,0
79,9					
> 6	18,4 (7,8- 34,3)	98,3 (94,0- 99,7)	10,87	0,83	77,8
78,9					
> 7	10,5 (3,0- 24,8)	98,3 (94,0- 99,7)	6,21	0,91	66,7
77,3					
> 8	2,6 (0,4- 13,9)	99,2 (95,4- 99,9)	3,11	0,98	50,0
76,0					

> 9	2,6 (0,4- 13,9)	100,0 (96,9-100,0)	0,97	100,0
76,1				
> 18	0,0 (0,0- 9,3)	100,0 (96,9-100,0)	1,00	
75,6				

Sens. = Sensitivity
 Spec. = Specificity
 +LR = Positive likelihood ratio
 -LR = Negative likelihood ratio
 +PV = Positive predictive value
 -PV = Negative predictive value

VARIABLE = PBQ2_F4

CLASSIFICATION VARIABLE
 DXVMIBinarioCons

POSITIVE GROUP
 DXVMIBinarioCons = 1
 Sample size = 38

NEGATIVE GROUP
 DXVMIBinarioCons = 0
 Sample size = 118

Disease prevalence (%) = 24,4

Area under the ROC curve = 0,788
 Standard error = 0,047
 95% Confidence interval = 0,716 to 0,850

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (90,7-100,0)	0,0 (0,0- 3,1)	1,00		24,4
> 0 *	73,7 (56,9- 86,6)	81,4 (73,1- 87,9)	3,95	0,32	56,0
90,6					
> 1	31,6 (17,5- 48,7)	94,9 (89,3- 98,1)	6,21	0,72	66,7
81,2					
> 2	15,8 (6,1- 31,3)	99,2 (95,4- 99,9)	18,63	0,85	85,7
78,5					
> 3	10,5 (3,0- 24,8)	99,2 (95,4- 99,9)	12,42	0,90	80,0
77,5					
> 4	5,3 (0,8- 17,8)	99,2 (95,4- 99,9)	6,21	0,96	66,7
76,5					
> 5	5,3 (0,8- 17,8)	100,0 (96,9-100,0)		0,95	100,0
76,6					
> 6	2,6 (0,4- 13,9)	100,0 (96,9-100,0)		0,97	100,0
76,1					
> 8	0,0 (0,0- 9,3)	100,0 (96,9-100,0)		1,00	
75,6					

Sens. = Sensitivity
 Spec. = Specificity
 +LR = Positive likelihood ratio
 -LR = Negative likelihood ratio
 +PV = Positive predictive value
 -PV = Negative predictive value

VARIABLE = TOTALPBQ2

CLASSIFICATION VARIABLE
 grave3

POSITIVE GROUP
 grave3 = 1
 Sample size = 6

NEGATIVE GROUP

grave3 = 0

Sample size = 150

Disease prevalence (%) = 3,85

Area under the ROC curve = 0,950

Standard error = 0,062

95% Confidence interval = 0,903 to 0,978

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00		3,8
> 0	100,0 (54,1-100,0)	2,0 (0,4- 5,7)	1,02	0,00	3,9
100,0					
> 1	100,0 (54,1-100,0)	5,3 (2,3- 10,2)	1,06	0,00	4,1
100,0					
> 2	100,0 (54,1-100,0)	14,7 (9,4- 21,4)	1,17	0,00	4,5
100,0					
> 3	100,0 (54,1-100,0)	23,3 (16,8- 30,9)	1,30	0,00	5,0
100,0					
> 4	100,0 (54,1-100,0)	28,0 (21,0- 35,9)	1,39	0,00	5,3
100,0					
> 5	100,0 (54,1-100,0)	34,0 (26,5- 42,2)	1,52	0,00	5,7
100,0					
> 6	100,0 (54,1-100,0)	40,0 (32,1- 48,3)	1,67	0,00	6,3
100,0					
> 7	100,0 (54,1-100,0)	46,0 (37,8- 54,3)	1,85	0,00	6,9
100,0					
> 8	100,0 (54,1-100,0)	52,0 (43,7- 60,2)	2,08	0,00	7,7
100,0					
> 9	100,0 (54,1-100,0)	61,3 (53,0- 69,2)	2,59	0,00	9,4
100,0					
> 10	100,0 (54,1-100,0)	65,3 (57,1- 72,9)	2,88	0,00	10,3
100,0					
> 11	100,0 (54,1-100,0)	68,0 (59,9- 75,4)	3,13	0,00	11,1
100,0					
> 12	100,0 (54,1-100,0)	70,7 (62,7- 77,8)	3,41	0,00	12,0
100,0					
> 13	100,0 (54,1-100,0)	72,0 (64,1- 79,0)	3,57	0,00	12,5
100,0					
> 14	100,0 (54,1-100,0)	75,3 (67,6- 82,0)	4,05	0,00	14,0
100,0					
> 15	100,0 (54,1-100,0)	76,0 (68,4- 82,6)	4,17	0,00	14,3
100,0					
> 17 *	100,0 (54,1-100,0)	78,0 (70,5- 84,3)	4,55	0,00	15,4
100,0					
> 18	83,3 (36,1- 97,2)	83,3 (76,4- 88,9)	5,00	0,20	16,7
99,2					
> 19	83,3 (36,1- 97,2)	84,7 (77,9- 90,0)	5,43	0,20	17,9
99,2					
> 20	83,3 (36,1- 97,2)	86,0 (79,4- 91,1)	5,95	0,19	19,2
99,2					
> 21	83,3 (36,1- 97,2)	87,3 (80,9- 92,2)	6,58	0,19	20,8
99,2					
> 22	83,3 (36,1- 97,2)	90,0 (84,0- 94,3)	8,33	0,19	25,0
99,3					
> 23	83,3 (36,1- 97,2)	90,7 (84,8- 94,8)	8,93	0,18	26,3
99,3					
> 24	83,3 (36,1- 97,2)	92,0 (86,4- 95,8)	10,42	0,18	29,4
99,3					
> 25	83,3 (36,1- 97,2)	94,7 (89,8- 97,7)	15,62	0,18	38,5
99,3					
> 26	50,0 (12,4- 87,6)	96,0 (91,5- 98,5)	12,50	0,52	33,3
98,0					
> 27	50,0 (12,4- 87,6)	96,7 (92,4- 98,9)	15,00	0,52	37,5
98,0					
> 28	50,0 (12,4- 87,6)	97,3 (93,3- 99,3)	18,75	0,51	42,9
98,0					

> 29	50,0 (12,4- 87,6)	98,0 (94,3- 99,6)	25,00	0,51	50,0
98,0					
> 32	33,3 (5,3- 77,3)	99,3 (96,3- 99,9)	50,00	0,67	66,7
97,4					
> 35	33,3 (5,3- 77,3)	100,0 (97,5-100,0)		0,67	100,0
97,4					
> 47	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0
96,8					
> 51	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00	
96,2					

Sens. = Sensitivity
 Spec. = Specificity
 +LR = Positive likelihood ratio
 -LR = Negative likelihood ratio
 +PV = Positive predictive value
 -PV = Negative predictive value

VARIABLE = PBQ2_F1

CLASSIFICATION VARIABLE
grave3

POSITIVE GROUP
grave3 = 1
Sample size = 6

NEGATIVE GROUP
grave3 = 0
Sample size = 150

Disease prevalence (%) = 3,85

Area under the ROC curve = 0,969
 Standard error = 0,050
 95% Confidence interval = 0,928 to 0,990

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00		3,8
> 0	100,0 (54,1-100,0)	38,7 (30,8- 47,0)	1,63	0,00	6,1
100,0					
> 1	100,0 (54,1-100,0)	56,0 (47,7- 64,1)	2,27	0,00	8,3
100,0					
> 2	100,0 (54,1-100,0)	66,0 (57,8- 73,5)	2,94	0,00	10,5
100,0					
> 3	100,0 (54,1-100,0)	76,7 (69,1- 83,2)	4,29	0,00	14,6
100,0					
> 4	100,0 (54,1-100,0)	81,3 (74,2- 87,2)	5,36	0,00	17,6
100,0					
> 5 *	100,0 (54,1-100,0)	84,0 (77,1- 89,5)	6,25	0,00	20,0
100,0					
> 6	83,3 (36,1- 97,2)	90,7 (84,8- 94,8)	8,93	0,18	26,3
99,3					
> 7	83,3 (36,1- 97,2)	92,7 (87,3- 96,3)	11,36	0,18	31,3
99,3					
> 8	83,3 (36,1- 97,2)	94,7 (89,8- 97,7)	15,62	0,18	38,5
99,3					
> 9	83,3 (36,1- 97,2)	95,3 (90,6- 98,1)	17,86	0,17	41,7
99,3					
> 10	66,7 (22,7- 94,7)	96,7 (92,4- 98,9)	20,00	0,34	44,4
98,6					
> 12	50,0 (12,4- 87,6)	99,3 (96,3- 99,9)	75,00	0,50	75,0
98,0					
> 13	50,0 (12,4- 87,6)	100,0 (97,5-100,0)		0,50	100,0
98,0					
> 15	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0
96,8					

> 21 0,0 (0,0- 45,9) 100,0 (97,5-100,0) 1,00
96,2

Sens. = Sensitivity
Spec. = Specificity
+LR = Positive likelihood ratio
-LR = Negative likelihood ratio
+PV = Positive predictive value
-PV = Negative predictive value

VARIABLE = PBQ2_F2

CLASSIFICATION VARIABLE
grave3

POSITIVE GROUP
grave3 = 1
Sample size = 6

NEGATIVE GROUP
grave3 = 0
Sample size = 150

Disease prevalence (%) = 3,85

Area under the ROC curve = 0,826
Standard error = 0,105
95% Confidence interval = 0,757 to 0,882

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00		3,8
> 0	100,0 (54,1-100,0)	2,0 (0,4- 5,7)	1,02	0,00	3,9
100,0					
> 1	100,0 (54,1-100,0)	9,3 (5,2- 15,2)	1,10	0,00	4,2
100,0					
> 2	100,0 (54,1-100,0)	18,0 (12,2- 25,1)	1,22	0,00	4,7
100,0					
> 3	100,0 (54,1-100,0)	29,3 (22,2- 37,3)	1,42	0,00	5,4
100,0					
> 4	100,0 (54,1-100,0)	38,7 (30,8- 47,0)	1,63	0,00	6,1
100,0					
> 5	100,0 (54,1-100,0)	49,3 (41,1- 57,6)	1,97	0,00	7,3
100,0					
> 6	100,0 (54,1-100,0)	56,0 (47,7- 64,1)	2,27	0,00	8,3
100,0					
> 7 *	100,0 (54,1-100,0)	60,0 (51,7- 67,9)	2,50	0,00	9,1
100,0					
> 8	83,3 (36,1- 97,2)	69,3 (61,3- 76,6)	2,72	0,24	9,8
99,0					
> 9	50,0 (12,4- 87,6)	77,3 (69,8- 83,8)	2,21	0,65	8,1
97,5					
> 10	50,0 (12,4- 87,6)	81,3 (74,2- 87,2)	2,68	0,61	9,7
97,6					
> 11	50,0 (12,4- 87,6)	86,0 (79,4- 91,1)	3,57	0,58	12,5
97,7					
> 12	33,3 (5,3- 77,3)	88,7 (82,5- 93,3)	2,94	0,75	10,5
97,1					
> 13	33,3 (5,3- 77,3)	92,0 (86,4- 95,8)	4,17	0,72	14,3
97,2					
> 14	33,3 (5,3- 77,3)	95,3 (90,6- 98,1)	7,14	0,70	22,2
97,3					
> 15	33,3 (5,3- 77,3)	96,7 (92,4- 98,9)	10,00	0,69	28,6
97,3					
> 16	16,7 (2,8- 63,9)	97,3 (93,3- 99,3)	6,25	0,86	20,0
96,7					
> 17	16,7 (2,8- 63,9)	98,0 (94,3- 99,6)	8,33	0,85	25,0
96,7					

> 18	16,7 (2,8- 63,9)	99,3 (96,3- 99,9)	25,00	0,84	50,0
96,8					
> 19	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0
96,8					
> 20	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00	
96,2					

Sens. = Sensitivity
Spec. = Specificity
+LR = Positive likelihood ratio
-LR = Negative likelihood ratio
+PV = Positive predictive value
-PV = Negative predictive value

VARIABLE = PBQ2_F3

CLASSIFICATION VARIABLE
grave3

POSITIVE GROUP
grave3 = 1
Sample size = 6

NEGATIVE GROUP
grave3 = 0
Sample size = 150

Disease prevalence (%) = 3,85

Area under the ROC curve = 0,933
Standard error = 0,071
95% Confidence interval = 0,881 to 0,967

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00		3,8
> 0	100,0 (54,1-100,0)	69,3 (61,3- 76,6)	3,26	0,00	11,5
100,0					
> 1 *	100,0 (54,1-100,0)	82,0 (74,9- 87,8)	5,56	0,00	18,2
100,0					
> 2	83,3 (36,1- 97,2)	84,0 (77,1- 89,5)	5,21	0,20	17,2
99,2					
> 3	66,7 (22,7- 94,7)	93,3 (88,1- 96,8)	10,00	0,36	28,6
98,6					
> 4	66,7 (22,7- 94,7)	94,0 (88,9- 97,2)	11,11	0,35	30,8
98,6					
> 5	66,7 (22,7- 94,7)	94,7 (89,8- 97,7)	12,50	0,35	33,3
98,6					
> 6	50,0 (12,4- 87,6)	96,0 (91,5- 98,5)	12,50	0,52	33,3
98,0					
> 7	16,7 (2,8- 63,9)	96,7 (92,4- 98,9)	5,00	0,86	16,7
96,7					
> 8	16,7 (2,8- 63,9)	99,3 (96,3- 99,9)	25,00	0,84	50,0
96,8					
> 9	16,7 (2,8- 63,9)	100,0 (97,5-100,0)		0,83	100,0
96,8					
> 18	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00	
96,2					

Sens. = Sensitivity
Spec. = Specificity
+LR = Positive likelihood ratio
-LR = Negative likelihood ratio
+PV = Positive predictive value
-PV = Negative predictive value

VARIABLE = PBQ2_F4

CLASSIFICATION VARIABLE

grave3

POSITIVE GROUP

grave3 = 1

Sample size = 6

NEGATIVE GROUP

grave3 = 0

Sample size = 150

Disease prevalence (%) = 3,85

Area under the ROC curve = 0,741

Standard error = 0,118

95% Confidence interval = 0,664 to 0,807

Criterion	Sens. (95% C.I.)	Spec. (95% C.I.)	+LR	-LR	+PV
-PV					
>=0	100,0 (54,1-100,0)	0,0 (0,0- 2,5)	1,00		3,8
> 0 *	83,3 (36,1- 97,2)	70,0 (62,0- 77,2)	2,78	0,24	10,0
99,1					
> 1	16,7 (2,8- 63,9)	88,7 (82,5- 93,3)	1,47	0,94	5,6
96,4					
> 2	0,0 (0,0- 45,9)	95,3 (90,6- 98,1)	0,00	1,05	0,0
96,0					
> 3	0,0 (0,0- 45,9)	96,7 (92,4- 98,9)	0,00	1,03	0,0
96,0					
> 4	0,0 (0,0- 45,9)	98,0 (94,3- 99,6)	0,00	1,02	0,0
96,1					
> 5	0,0 (0,0- 45,9)	98,7 (95,3- 99,8)	0,00	1,01	0,0
96,1					
> 6	0,0 (0,0- 45,9)	99,3 (96,3- 99,9)	0,00	1,01	0,0
96,1					
> 8	0,0 (0,0- 45,9)	100,0 (97,5-100,0)		1,00	
96,2					

Sens. = Sensitivity

Spec. = Specificity

+LR = Positive likelihood ratio

-LR = Negative likelihood ratio

+PV = Positive predictive value

-PV = Negative predictive value

SM20. *STATA codes and outputs of concordance of PBQ cut off scores and diagnostic of bonding disorder*

```
. kap DXVMIBinarioCons PBQ_13
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

88.46%	59.20%	0.7172	0.0786	9.12	0.0000

```
. kap DXVMIBinarioCons PBQf1_4
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

87.82%	62.16%	0.6781	0.0800	8.48	0.0000

```
. kap DXVMIBinarioCons PBQf2_9
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

81.41%	58.88%	0.5480	0.0784	6.99	0.0000

```
. kap DXVMIBinarioCons PBQ_f3_2
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

83.97%	64.79%	0.5448	0.0797	6.83	0.0000

```
. kap DXVMIBinarioCons PBQ_f4_1
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

79.49%	59.20%	0.4972	0.0786	6.32	0.0000

```
. kap grave3 PBQ_18
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

78.85%	73.08%	0.2143	0.0495	4.33	0.0000

```
. kap grave3 PBQf1_6
```

Expected Agreement		Kappa	Std. Err.	Z	Prob>Z

84.62% 78.40% 0.2877 0.0562 5.12 0.0000

. kap grave3 Pbq_f2_8

	Expected Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z
	61.54%	57.10%	0.1034	0.0355	2.92	0.0018

. kap grave3 PBQ_f3_2

	Expected Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z
	82.69%	76.63%	0.2595	0.0538	4.82	0.0000

. kap grave3 PBQ_f4_1

	Expected Agreement	Agreement	Kappa	Std. Err.	Z	Prob>Z
	70.51%	66.57%	0.1180	0.0430	2.75	0.0030

SM21. *STATA codes and outputs of test equality of two or more ROC areas*

roccomp DXVMIBinarioCons TOTALPBQ2 PBQ2_F1 PBQ2_F2 PBQ2_F3 PBQ2_F4,
graph

. roccomp DXVMIBinarioCons TOTALPBQ2 PBQ2_F1

	ROC		-Asymptotic Normal--		
	Obs	Area	Std. Err.	[95% Conf. Interval]	
TOTALPBQ2	156	0.9277	0.0245	0.87979	0.97570
PBQ2_F1	156	0.9106	0.0278	0.85613	0.96501

Ho: area(TOTALPBQ2) = area(PBQ2_F1)
chi2(1) = 0.82 Prob>chi2 = 0.3663

. roccomp DXVMIBinarioCons PBQ2_F1 PBQ2_F2

	ROC		-Asymptotic Normal--		
	Obs	Area	Std. Err.	[95% Conf. Interval]	
PBQ2_F1	156	0.9106	0.0278	0.85613	0.96501
PBQ2_F2	156	0.8696	0.0322	0.80662	0.93267

Ho: area(PBQ2_F1) = area(PBQ2_F2)
chi2(1) = 1.28 Prob>chi2 = 0.2585

. roccomp DXVMIBinarioCons PBQ2_F1 PBQ2_F3

	ROC		-Asymptotic Normal--		
	Obs	Area	Std. Err.	[95% Conf. Interval]	
PBQ2_F1	156	0.9106	0.0278	0.85613	0.96501
PBQ2_F3	156	0.7724	0.0455	0.68321	0.86161

Ho: area(PBQ2_F1) = area(PBQ2_F3)
chi2(1) = 10.54 Prob>chi2 = 0.0012

. roccomp DXVMIBinarioCons PBQ2_F1 PBQ2_F4

	ROC		-Asymptotic Normal--		
	Obs	Area	Std. Err.	[95% Conf. Interval]	
PBQ2_F1	156	0.9106	0.0278	0.85613	0.96501
PBQ2_F4	156	0.7884	0.0416	0.70684	0.86988

Ho: area(PBQ2_F1) = area(PBQ2_F4)
chi2(1) = 9.97 Prob>chi2 = 0.0016

```
. roccomp DXVMIBinarioCons TOTALPBQ2 PBQ2_F2
```

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
TOTALPBQ2	156	0.9277	0.0245	0.87979	0.97570
PBQ2_F2	156	0.8696	0.0322	0.80662	0.93267

Ho: area(TOTALPBQ2) = area(PBQ2_F2)					
chi2(1) = 5.80 Prob>chi2 = 0.0160					

```
. roccomp DXVMIBinarioCons TOTALPBQ2 PBQ2_F3
```

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
TOTALPBQ2	156	0.9277	0.0245	0.87979	0.97570
PBQ2_F3	156	0.7724	0.0455	0.68321	0.86161

Ho: area(TOTALPBQ2) = area(PBQ2_F3)					
chi2(1) = 15.41 Prob>chi2 = 0.0001					

```
. roccomp DXVMIBinarioCons TOTALPBQ2 PBQ2_F4
```

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
TOTALPBQ2	156	0.9277	0.0245	0.87979	0.97570
PBQ2_F4	156	0.7884	0.0416	0.70684	0.86988

Ho: area(TOTALPBQ2) = area(PBQ2_F4)					
chi2(1) = 16.71 Prob>chi2 = 0.0000					

```
. roccomp DXVMIBinarioCons PBQ2_F2 PBQ2_F3
```

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
PBQ2_F2	156	0.8696	0.0322	0.80662	0.93267
PBQ2_F3	156	0.7724	0.0455	0.68321	0.86161

Ho: area(PBQ2_F2) = area(PBQ2_F3)					
chi2(1) = 3.46 Prob>chi2 = 0.0630					

```
. roccomp DXVMIBinarioCons PBQ2_F2 PBQ2_F4
```

	ROC		-Asymptotic Normal--
Obs	Area	Std. Err.	[95% Conf. Interval]

PBQ2_F2	156	0.8696	0.0322	0.80662	0.93267
PBQ2_F4	156	0.7884	0.0416	0.70684	0.86988

Ho: area(PBQ2_F2) = area(PBQ2_F4)
chi2(1) = 5.69 Prob>chi2 = 0.0171

. roccomp DXVMIBinarioCons PBQ2_F3 PBQ2_F4

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
PBQ2_F3	156	0.7724	0.0455	0.68321	0.86161
PBQ2_F4	156	0.7884	0.0416	0.70684	0.86988

Ho: area(PBQ2_F3) = area(PBQ2_F4)
chi2(1) = 0.10 Prob>chi2 = 0.7563

. roccomp grave3 TOTALPBQ2 PBQ2_F1 PBQ2_F2 PBQ2_F3 PBQ2_F4, graph

. roccomp grave3 TOTALPBQ2 PBQ2_F1

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
TOTALPBQ2	156	0.9500	0.0316	0.88809	1.00000
PBQ2_F1	156	0.9689	0.0215	0.92680	1.00000

Ho: area(TOTALPBQ2) = area(PBQ2_F1)
chi2(1) = 1.84 Prob>chi2 = 0.1744

. roccomp grave3 TOTALPBQ2 PBQ2_F2

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
TOTALPBQ2	156	0.9500	0.0316	0.88809	1.00000
PBQ2_F2	156	0.8261	0.0622	0.70410	0.94812

Ho: area(TOTALPBQ2) = area(PBQ2_F2)
chi2(1) = 5.93 Prob>chi2 = 0.0149

. roccomp grave3 TOTALPBQ2 PBQ2_F3

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
TOTALPBQ2	156	0.9500	0.0316	0.88809	1.00000
PBQ2_F3	156	0.9328	0.0293	0.87529	0.99027

Ho: area(TOTALPBQ2) = area(PBQ2_F3)
 chi2(1) = 0.80 Prob>chi2 = 0.3719

. roccomp grave3 TOTALPBQ2 PBQ2_F4

	ROC		-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]		
TOTALPBQ2	156	0.9500	0.0316	0.88809	1.00000
PBQ2_F4	156	0.7406	0.0843	0.57526	0.90585

Ho: area(TOTALPBQ2) = area(PBQ2_F4)
 chi2(1) = 5.87 Prob>chi2 = 0.0154

. roccomp grave3 PBQ2_F1 PBQ2_F2

	ROC		-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]		
PBQ2_F1	156	0.9689	0.0215	0.92680	1.00000
PBQ2_F2	156	0.8261	0.0622	0.70410	0.94812

Ho: area(PBQ2_F1) = area(PBQ2_F2)
 chi2(1) = 6.28 Prob>chi2 = 0.0122

. roccomp grave3 PBQ2_F1 PBQ2_F3

	ROC		-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]		
PBQ2_F1	156	0.9689	0.0215	0.92680	1.00000
PBQ2_F3	156	0.9328	0.0293	0.87529	0.99027

Ho: area(PBQ2_F1) = area(PBQ2_F3)
 chi2(1) = 2.82 Prob>chi2 = 0.0930

. roccomp grave3 PBQ2_F1 PBQ2_F4

	ROC		-Asymptotic Normal--		
Obs	Area	Std. Err.	[95% Conf. Interval]		
PBQ2_F1	156	0.9689	0.0215	0.92680	1.00000
PBQ2_F4	156	0.7406	0.0843	0.57526	0.90585

Ho: area(PBQ2_F1) = area(PBQ2_F4)
 chi2(1) = 6.48 Prob>chi2 = 0.0109

. roccomp grave3 PBQ2_F2 PBQ2_F3

ROC -Asymptotic Normal--

	Obs	Area	Std. Err.	[95% Conf. Interval]	
PBQ2_F2	156	0.8261	0.0622	0.70410	0.94812
PBQ2_F3	156	0.9328	0.0293	0.87529	0.99027

Ho: area(PBQ2_F2) = area(PBQ2_F3)
 chi2(1) = 4.67 Prob>chi2 = 0.0307

. roccomp grave3 PBQ2_F2 PBQ2_F4

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
PBQ2_F2	156	0.8261	0.0622	0.70410	0.94812
PBQ2_F4	156	0.7406	0.0843	0.57526	0.90585

Ho: area(PBQ2_F2) = area(PBQ2_F4)
 chi2(1) = 1.88 Prob>chi2 = 0.1698

. roccomp grave3 PBQ2_F3 PBQ2_F4

	Obs	ROC Area	Std. Err.	-Asymptotic Normal-- [95% Conf. Interval]	
PBQ2_F3	156	0.9328	0.0293	0.87529	0.99027
PBQ2_F4	156	0.7406	0.0843	0.57526	0.90585

Ho: area(PBQ2_F3) = area(PBQ2_F4)
 chi2(1) = 6.31 Prob>chi2 = 0.0120

SM22. SPSS codes and outputs of test-retest reliability

RELIABILITY

/VARIABLES=TOTALPBQ2 PBQ1_TOTAL

/SCALE('ALL VARIABLES') ALL

/MODEL=ALPHA

/ICC=MODEL(MIXED) TYPE(CONSISTENCY) CIN=95 TESTVAL=0.

Coeficiente de correlación intraclase

	Correlación intraclase ^a	Intervalo de confianza 95%		Prueba F con valor verdadero 0			
		Límite inferior	Límite superior	Valor	gl1	gl2	Sig.
Medidas individuales	,647 ^b	,532	,738	4,662	124	124	,000
Medidas promedio	,785 ^c	,694	,849	4,662	124	124	,000

Modelo de efectos mixtos de dos factores en el que los efectos de las personas son aleatorios y los efectos de las medidas son fijos.

a. Coeficientes de correlación intraclase de tipo C utilizando una definición de coherencia, la varianza inter-medidas se excluye de la varianza del denominador.

b. El estimador es el mismo, ya esté presente o no el efecto de interacción.

c. Esta estimación se calcula asumiendo que no está presente el efecto de interacción, ya que de otra manera no es estimable.

RELIABILITY

/VARIABLES=PBQ2_F1 PBQ1_F1

/SCALE('ALL VARIABLES') ALL

/MODEL=ALPHA

/ICC=MODEL(MIXED) TYPE(CONSISTENCY) CIN=95 TESTVAL=0.

Coefficiente de correlación intraclase

	Correlación intraclase ^a	Intervalo de confianza 95%		Prueba F con valor verdadero 0			
		Límite inferior	Límite superior	Valor	gl1	gl2	Sig.
Medidas individuales	,597 ^b	,471	,699	3,957	124	124	,000
Medidas promedio	,747 ^c	,640	,823	3,957	124	124	,000

Modelo de efectos mixtos de dos factores en el que los efectos de las personas son aleatorios y los efectos de las medidas son fijos.

- Coeficientes de correlación intraclase de tipo C utilizando una definición de coherencia, la varianza inter-medidas se excluye de la varianza del denominador.
- El estimador es el mismo, ya esté presente o no el efecto de interacción.
- Esta estimación se calcula asumiendo que no está presente el efecto de interacción, ya que de otra manera no es estimable.

RELIABILITY

```

/VARIABLES=PBQ2_F2 PBQ1_F2
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA
/ICC=MODEL(MIXED) TYPE(CONSISTENCY) CIN=95 TESTVAL=0.

```

Coefficiente de correlación intraclase

	Correlación intraclase ^a	Intervalo de confianza 95%		Prueba F con valor verdadero 0			
		Límite inferior	Límite superior	Valor	gl1	gl2	Sig.
Medidas individuales	,663 ^b	,553	,751	4,942	124	124	,000
Medidas promedio	,798 ^c	,712	,858	4,942	124	124	,000

Modelo de efectos mixtos de dos factores en el que los efectos de las personas son aleatorios y los efectos de las medidas son fijos.

- Coeficientes de correlación intraclase de tipo C utilizando una definición de coherencia, la varianza inter-medidas se excluye de la varianza del denominador.
- El estimador es el mismo, ya esté presente o no el efecto de interacción.
- Esta estimación se calcula asumiendo que no está presente el efecto de interacción, ya que de otra manera no es estimable.

RELIABILITY

```

/VARIABLES=PBQ2_F3 PBQ1_F3
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA
/ICC=MODEL(MIXED) TYPE(CONSISTENCY) CIN=95 TESTVAL=0.

```

Coefficiente de correlación intraclase

	Correlación intraclase ^a	Intervalo de confianza 95%		Prueba F con valor verdadero 0			
		Límite inferior	Límite superior	Valor	gl1	gl2	Sig.
Medidas individuales	,595 ^b	,468	,697	3,933	124	124	,000
Medidas promedio	,746 ^c	,638	,821	3,933	124	124	,000

Modelo de efectos mixtos de dos factores en el que los efectos de las personas son aleatorios y los efectos de las medidas son fijos.

- Coeficientes de correlación intraclase de tipo C utilizando una definición de coherencia, la varianza inter-medidas se excluye de la varianza del denominador.
- El estimador es el mismo, ya esté presente o no el efecto de interacción.
- Esta estimación se calcula asumiendo que no está presente el efecto de interacción, ya que de otra manera no es estimable.

RELIABILITY

/VARIABLES=PBQ2_F4 PBQ1_F4

/SCALE('ALL VARIABLES') ALL

/MODEL=ALPHA

/ICC=MODEL(MIXED) TYPE(CONSISTENCY) CIN=95 TESTVAL=0.

Coefficiente de correlación intraclase

	Correlación intraclase ^a	Intervalo de confianza 95%		Prueba F con valor verdadero 0			
		Límite inferior	Límite superior	Valor	gl1	gl2	Sig.
Medidas individuales	,680 ^b	,574	,764	5,258	124	124	,000
Medidas promedio	,810 ^c	,729	,866	5,258	124	124	,000

Modelo de efectos mixtos de dos factores en el que los efectos de las personas son aleatorios y los efectos de las medidas son fijos.

- Coeficientes de correlación intraclase de tipo C utilizando una definición de coherencia, la varianza inter-medidas se excluye de la varianza del denominador.
- El estimador es el mismo, ya esté presente o no el efecto de interacción.
- Esta estimación se calcula asumiendo que no está presente el efecto de interacción, ya que de otra manera no es estimable.