

Sensitivity & Specificity

OBJECTIVES

To measure the accuracy of Mobile App in determining nutritional status of pregnancy.

		Pita LiLA		TOTAL
		NORMAL	CED	
Mobile App	NORMAL	22	3	25
	CED	11	1	12
	TOTAL	33	4	37

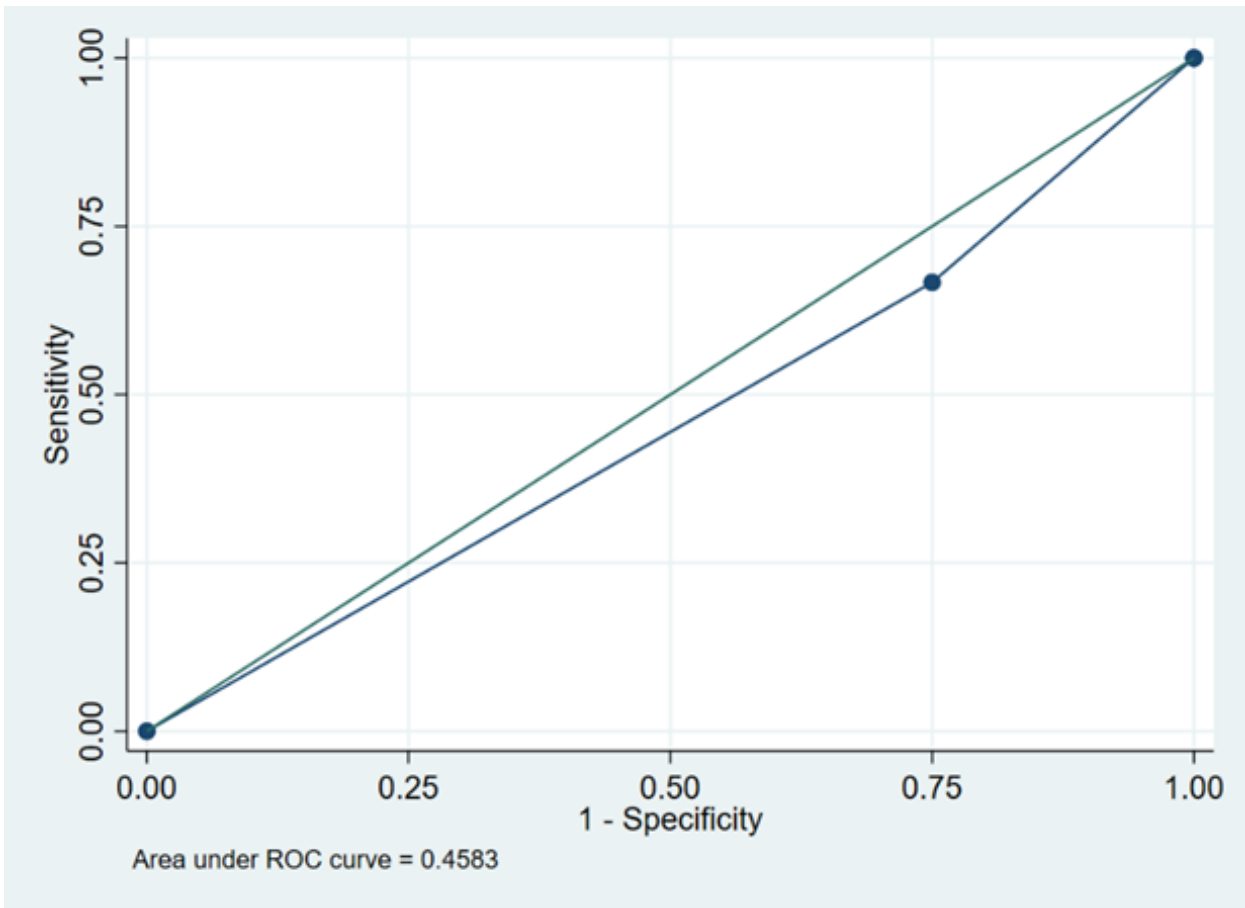
DATA

Here are the data of pregnant women's nutritional status measured using both methods, Pita LiLA (gold standard) and Mobile App.

Detailed report of sensitivity and specificity

Cutpoint	Sensitivity	Specificity	Correctly Classified	LR+	LR-
(>= 0)	100.00%	0.00%	89.19%	1.0000	
(>= 1)	66.67%	25.00%	62.16%	0.8889	1.3333
(> 1)	0.00%	100.00%	10.81%		1.0000

- There are 66.67% of people with normal nutritional status classified as normal using Mobile App.
- There are 25% of people with CED (Chronic Energy Deficiency) nutritional status classified as CED using Mobile App.
- Overall, only 62.16% of people that are correctly classified using Mobile App.



Obs	ROC Area
37	0.4583

Based on the following graph, the area under ROC curve value obtained is 0.4583, which means the mobile app **failed** to determine the nutritional status of pregnancy.