

WEB TABLE I ACCURACY OF MUAC METHOD FOR THE DIAGNOSIS OF SEVERE ACUTE MALNUTRITION IN COMPARISON TO WHZ SCORES IN CHILDREN AGED GROUP 6MO-6 YEARS

Overall	Accuracy measure	MUAC<110 mm	MUAC<115 mm	MUAC<120 mm	MUAC<125 mm	MUAC<130 mm	MUAC(<-3 Z score)
	Sensitivity	4.1 (1.5-8.8)	6.9 (3.4-12.3)	11.7 (7.0-18.1)	30.3 (23.0-38.5)	44.1 (35.9-52.6)	13.2 (8.1-18.3)
	Specificity	97.8 (96.9-98.4)	96.4 (95.3-97.2)	95.2 (94.0-96.1)	90.9 (89.4-92.3)	86.0 (84.2-87.6)	97.5 (96.6-98.2)
	PPV	13.9 (5.3-27.9)	14.3 (7.1-24.7)	17.5 (10.6-26.6)	22.7 (17.0-29.2)	21.7 (17.1-26.8)	31.7 (20.3-45.0)
	NPV	92.1 (90.7-93.3)	92.2 (90.8-93.4)	92.5 (91.1-93.7)	93.7 (92.4-94.8)	94.6 (93.3-95.7)	92.7 (91.4-93.9)
Age 0.5-1y	Sensitivity	17.1 (6.6-33.7)	20.0 (8.5-36.9)	28.6 (14.7-46.3)	45.7 (28.8-63.3)	57.1 (39.4-73.7)	11.4 (3.3-26.8)
	Specificity	90.1 (86.5-92.9)	85.4 (81.3-88.8)	82.3 (78.0-86.1)	73.8 (68.9-78.2)	65.2 (60.0-70.1)	97.2 (95.0-98.7)
	PPV	14.3 (5.5-28.6)	11.7 (4.8-22.6)	13.5 (6.7-23.5)	14.4 (8.5-22.3)	13.7 (8.6-20.4)	28.6 (8.6-58.1)
	NPV	91.8 (88.5-94.5)	91.7 (88.2-94.4)	92.3 (88.8-94.9)	93.4 (89.8-95.9)	94.0 (90.3-96.6)	91.9 (88.7-94.4)
Age 1-3y	Sensitivity	0.0 (0.0-4.7)	3.9 (0.9-11.0)	9.1 (3.8-17.9)	32.5 (22.2-44.1)	46.8 (35.3-58.5)	11.7 (5.5-21.0)
	Specificity	99.8 (99.3-99.9)	99.2 (98.3-99.7)	98.2 (97.0-99.0)	93.8 (91.9-95.4)	88.4 (85.9-90.6)	97.2 (95.7-98.2)
	PPV	0.0 (0.0-83.5)	33.3 (7.9-69.9)	33.3 (14.6-57.0)	34.2 (23.5-46.3)	28.6 (20.9-37.3)	29.0 (14.3-48.0)
	NPV	91.0 (88.8-92.8)	91.2 (89.1-93.1)	91.6 (89.5-93.4)	93.3 (91.3-95.0)	94.4 (92.4-95.9)	91.7 (89.6-93.5)
Age 3-6y	Sensitivity	0.0 (0.0-10.7)	0.0 (0.0-10.7)	0.0 (0.0-10.7)	9.1 (2.0-24.4)	24.2 (11.1-42.3)	18.2 (7.0-35.5)
	Specificity	100.0 (99.3-100.0)	99.8 (98.9-99.9)	99.6 (98.6-99.9)	98.6 (97.2-99.5)	97.1 (95.2-98.4)	98.2 (96.7-99.2)
	PPV	-	0.0 (0.0-83.5)	0.0 (0.0-80.7)	30.0 (7.0-65.2)	34.8 (16.4-57.3)	40.0 (16.4-67.7)
	NPV	93.9 (91.6-95.8)	93.9 (91.6-95.8)	93.9 (91.6-95.8)	94.4 (92.1-96.2)	95.2 (93.0-96.9)	94.9 (92.7-96.6)

Figures are expressed in percentages; figures in brackets are 95% CI