

S2 Table: Association of different level of micronutrient deficiency with four cognitive tests.						
Micronutrient Deficiency m/n, %	Borderline	Dull normal	Average	Above average	Superior	p value
CPM/SPM test						
*No deficiency	4/134, 3.0	26/134, 19.4	71/134, 53.0	22/134, 16.4	11/134, 8.2	0.03
Any one deficiency	21/457, 4.6	100/457, 21.9	223/457, 48.8	80/457, 17.5	33/457, 7.2	
Two or more deficiency	81/1327, 6.1	348/1327, 26.2	659/1327, 49.7	172/1327, 13.0	67/1327, 5.0	
Coding test						
*No deficiency	8/134, 6.0	13/134, 9.7	56/134, 41.8	23/134, 17.2	34/134, 25.4	0.08
Any one deficiency	49/457, 10.7	49/457, 10.7	187/457, 40.9	73/457, 16.0	99/457, 21.7	
Two or more deficiency	136/1327, 10.2	169/1327, 12.7	594/1327, 44.8	208/1327, 15.7	220/1327, 16.6	
Digit span test						
*No deficiency	24/134, 17.9	38/134, 28.4	54/134, 40.3	14/134, 10.4	4/134, 3.0	0.001
Any one deficiency	85/457, 18.6	143/457, 31.3	173/457, 37.9	38/457, 8.3	18/457, 3.9	
Two or more deficiency	334/1327, 25.2	425/1327, 32.0	475/1327, 35.8	59/1327, 4.4	34/1327, 2.6	
Arithmetic test						
*No deficiency	9/134, 6.7	33/134, 24.6	78/134, 58.2	6/134, 4.5	8/134, 6.0	0.005
Any one deficiency	51/457, 11.2	124/457, 27.1	207/457, 45.3	50/457, 10.9	25/457, 5.5	
Two or more deficiency	174/1327, 13.1	417/1327, 31.4	572/1327, 43.1	104/1327, 7.8	60/1327, 4.5	
*Reference category are “No deficiency”						