

Table 3: Evaluation of Knowledge and Perceptions of Barriers Related to Neurodevelopmental Assessments and Follow Up in Rwanda Based on Hospital-Based versus Community-Based/NGO Staff

	PRE			POST					
	Hospital-based	Community-based		Hospital-based	Community-based				
	N= 15	N= 8	p-value (comparing hospital- vs community-based staff in Pre-Assessment Responses)	N= 10	N=8	p-value (comparing hospital- vs community-based staff in Post-Assessment Responses)	p-value (comparing only hospital-based pre- and post-responses)	p-value (comparing only community-based pre- and post-responses)	
Knowledge									
Early identification of developmental impairment in first 2 years is important	14/14 (100%)	7/7 (100%)	>0.99	10/10 (100%)	8/8 (100%)	>0.99	>0.99	>0.99	
Treatment prevents future impairment	13/15 (86.7%)	7/7 (100%)	>0.99	10/10 (100%)	8/8 (100%)	>0.99	0.5	>0.99	
Developmental impairment could be a sign of hearing impairment	12/15 (80.0%)	5/7 (71.4%)	> 0.99	10/10 (100%)	4/8 (50.0%)	0.02	0.25	0.61	
Developmental Impairment could be a sign of visual impairment	9/14 (64.3%)	5/8 (62.5%)	> 0.99	10/10 (100%)	5/8 (62.5%)	0.07	0.053	>0.99	
Prematurity increases risk of neurodevelopmental impairment	10/14 (71.4%)	7/8 (87.5%)	0.61	5/10 (50.0%)	7/8 (87.5%)	0.15	0.40	>0.99	
Barriers									
Local/Hospital Policy(ies) or Lack Thereof	6/14 (42.9%)	2/8 (25.0%)	0.65	4/10 (40.0%)	4/8 (50.0%)	>0.99	>0.99	0.61	
National Policy(ies) or Lack Thereof	4/15 (26.7%)	1/8 (12.5%)	0.63	4/10 (40.0%)	2/8 (25.0%)	0.64	0.69	>0.99	
Family/Mother Perceptions	6/13 (46.2%)	8/8 (100%)	0.02	8/10 (80.0%)	7/8 (87.5%)	>0.99	0.20	>0.99	
Provider Perceptions	4/13 (30.8%)	4/8 (50.0%)	0.65	6/10 (60.0%)	1/8 (12.5%)	0.07	0.22	0.28	
Neurodevelopmental Assessments Take Too Long to Perform	11/15 (73.3%)	4/8 (50.0%)	0.37	6/10 (60.0%)	6/8 (75.0%)	0.638	0.67	0.61	
Healthcare Staff Too Busy	9/15 (60.0%)	6/8 (75.0%)	0.66	9/10 (90.0%)	8/8 (100%)	>0.99	0.18	0.47	
Healthcare Staff Not Adequately Trained	12/15 (80.0%)	7/8 (87.5%)	>0.99	6/10 (60.0%)	6/8 (75.0%)	0.638	0.38	>0.99	
Neurodevelopmental Assessments not Culturally Adapted	9/14 (64.3%)	6/7 (85.7%)	0.61	3/10 (30.0%)	2/8 (25.0%)	>0.99	0.21	0.041	
Families Lack Transport	9/15 (60.0%)	6/8 (75.0%)	0.66	7/10 (70.0%)	6/8 (75.0%)	>0.99	0.69	>0.99	

No Documentation	8/15 (53.3%)	4/8 (50.0%)	>0.99	3/10 (30.0%)	2/8 (25.0%)	>0.99	0.41	0.61
Lack of Interventions	8/15 (53.3%)	3/8 (37.5%)	0.67	5/10 (50.0%)	4/8 (50.0%)	>0.99	>0.99	>0.99
Cultural Concerns	11/15 (73.3%)	5/8 (62.5%)	0.66	8/10 (80.0%)	7/8 (87.5%)	>0.99	>0.99	0.57
Cost to Family	9/15 (60.0%)	3/8 (37.5%)	0.40	8/10 (80.0%)	7/8 (87.5%)	>0.99	0.40	0.12
Cost to Hospital	4/13 (30.8%)	5/8 (62.5%)	0.20	6/10 (60.0%)	4/8 (50.0%)	>0.99	0.22	>0.99
Lack of Space for Assessments	8/14 (57.1%)	2/7 (28.5%)	0.36	4/10 (40.0%)	2/8 (25.0%)	0.638	0.68	>0.99
Lack of Phones/Communication by Families	1/15 (6.7%)	2/7 (28.5%)	0.23	7/10 (70.0%)	3/8 (37.5%)	0.3416	0.002	>0.99