

Comorbidities of epilepsy in low and middle-income countries: systematic review and meta-analysis

Aline Muhigwa^{1,2*} • Pierre-Marie Preux¹ • Daniel Gérard¹ • Benoit Marin¹ • Farid Boumediène¹ • Charles Ntamwira²

Chung-Huang Tsai³

Supplementary Table 1: Proportion of psychosocial comorbidities in LMICs

Author	Country	year	n PWE	Mar Discr. %	Job Discr. %
Crepin et al.⁹⁷	Benin	2007	131	-	37.4
Prischich et al.⁹⁸	Cameroon	2004	18	88.9	16.7
Kariuki et al.⁹⁹	Tanzania, Kenya, Ghana, South Africa	2014	2170	44.6	29.8
Kariuki et al.⁹⁵	Tanzania, Kenya, Ghana, South Africa	2015	-	-	78.0
Kariuki et al.⁹⁵	Tanzania, Kenya, Ghana, South Africa	2015	1426	77.0	-
Rwiza et al.⁹⁹	Tanzania	1993	203	62.1	-
Matuja et al.¹⁰⁰	Tanzania	2001	174	78.9	-
Ibinga et al.¹⁰¹	Gabon	2015	83		21.4
Bernet-Bernady et al.¹⁰²	CAR	1997	187	79.1	-
Stefanello et al.¹⁰³	Brazil	2010	153	49.0	7.4
Montano et al.¹⁰⁴	Peru	2005	29	79.1	21.4

Mar Discr: Marriage discrimination

Job Discr: Job discrimination

PWE: people with epilepsy

CAR:Central African Republic

Supplementary Table 2: Proportion of perinatal events in LMICs

Author	Country	Year	N	n PWE	PT	PI	PNA	DP
Osuntokun et al. ¹⁰³	Nigeria	1987	18954	101	2.0	-	-	-
Goudsmit et al. ¹⁰⁴	Liberia	1983	44436	123	3.0	-	-	-
Debouverie et al. ¹⁰⁸	Burkina-Faso	1993	16627	-	10.0	-	-	-
Kariuki et al. ¹¹³	South Africa	2014	584586	2170	5.6	-	-	-
Ngugi et al. ²	South Africa	2013	2262	971	5.8	-	12.1	14.8
Burton et al. ⁹⁶	Tanzania	2011	225	112		-	14.3	-
Rwiza et al. ⁹⁹	Tanzania	1992	18183	207	1.0	-	-	-
Matuja et al. ¹⁰⁰	Tanzania	2001	348	174		-	12.1	-
Haimanot et al. ¹¹¹	Ethiopia	1997	61686	139	1.4	-	-	-
Wagner et al. ⁹³	South Africa	2014	552	292	5.0	-	-	-
Chen et al. ¹¹²	Taiwan	2006	13663	37	5.4	-	-	-
Hackett et al. ¹⁰⁸	India	1997	365	365	8.4	7.5	-	-
Sampaio et al. ¹⁰⁹	Brazil	2009	22013	94	-	-	18.8	-
Velez et al. ¹¹⁴	Colombia	2006	8910	92	-	-	8.6	-
Medina et al. ¹¹⁰	Honduras	2005	6473	90	7.8	-	-	-
Sampaio et al. ¹⁰⁹	Brazil	2009	22013	94	-	1.9	-	-

PWE: people with epilepsy

PT: perinatal traumas

PI: perinatal infections

PNA: perinatal and neonatal asphyxia

DP: difficult pregnancies