

ESM 2 – Table: Results of ethnic subgroup analysis.

Model	Group	Number of studies	Association test			Heterogeneity		
			OR	95 % CI	p-val	Model	p-val	I ²
4Gvs5G	Asian	7	1.55	[1.28, 1.88]	0.000	Random	0.010	60.30 %
	Caucasian	19	1.12	[0.86, 1.48]	0.400	Random	0.000	87.70 %
	Mixed	1	1.04	[0.86, 1.26]	0.677	--	--	--
4G/4G+5G/4Gvs5G/5G	Asian	7	1.56	[1.19, 2.03]	0.001	Fixed	0.086	42.20 %
	Caucasian	19	1.27	[0.82, 1.96]	0.276	Random	0.000	84.20 %
	Mixed	1	1.10	[0.80, 1.50]	0.561	--	--	--
4G/4Gvs5G/4G+5G/5G	Asian	7	1.90	[1.46, 2.48]	0.000	Random	0.039	50.80 %
	Caucasian	19	1.12	[0.86, 1.45]	0.399	Random	0.000	62.30 %
	Mixed	1	1.02	[0.73, 1.41]	0.927	--	--	--
4G/4G+ 5G/5G vs 5G/4G	Asian	7	1.26	[1.01, 1.58]	0.040	Fixed	0.095	40.80 %
	Caucasian	20	0.87	[0.69, 1.09]	0.220	Random	0.000	63.90 %
	Mixed	1	0.94	[0.72,1.24]	0.662	--	--	--
4G/4Gvs5G/5G	Asian	7	2.24	[1.68,2.98]	0.000	Fixed	0.186	29.20 %
	Caucasian	19	1.31	[0.81,2.11]	0.276	Random	0.000	79.30 %
	Mixed	1	1.08	[0.73,1.61]	0.690	--	--	--
5G/4Gvs5G/5G	Asian	7	1.22	[0.94,1.57]	0.133	Fixed	0.197	27.90 %
	Caucasian	19	1.27	[0.84,1.91]	0.258	Random	0.000	80.2 %
	Mixed	1	1.10	[0.79,1.53]	0.560	--	--	--