

S1 File

Factor loadings from the Vaccine Hesitancy Scale (as developed by the World Health Organization Strategic Advisory Group of Experts on Immunization (<https://doi.org/10.1016/j.vaccine.2015.04.037>)) are displayed below. This sample of caregivers from Shanghai is compared with a sample of Canadian parents, as reported by Shapiro et al. (<https://doi.org/10.1016/j.vaccine.2017.12.043>).

For the purposes of comparison, we followed Shapiro et al.'s lead in deleting item 10 from the analysis. The study population was divided into two, with one half (n=546) being analyzed with an Exploratory Factor Analysis (EFA) with varimax orthogonal rotation, and the other half (n=538) being analyzed with a Confirmatory Factor Analysis (Table 1).

S1 Table. EFA loadings and CFA standardized loadings.

	Exploratory Factor Analysis				Confirmatory Factor Analysis			
	Shanghai Sample		Canadian Sample		Shanghai Sample		Canadian Sample	
	Factor 1: Lack of confidence	Factor 2: Risks	Factor 1: Lack of confidence	Factor 2: Risks	Factor 1: Lack of confidence	Factor 2: Risks	Factor 1: Lack of confidence	Factor 2: Risks
L1	0.671	0.152	0.864	0.195	0.522		0.868	
L2	0.681	0.316	0.818	0.224	0.839		0.851	
L3	0.716	0.359	0.764	0.195	0.815		0.809	
L4	0.422	0.581	0.719	0.358	0.785		0.78	
L6	0.242	0.607	0.624	0.446	0.733		0.733	
L7	0.399	0.614	0.853	0.197	0.826		0.861	
L8	0.430	0.575	0.61	0.216	0.840		0.671	
L5	-0.141	-0.296	0.17	0.685		1.097		0.661
L9	-0.029	-0.187	0.193	0.655		0.267		0.682

Note that a standardized factor loading above 1 may indicate multicollinearity between factors (<http://www.ssicentral.com/lisrel/techdocs/HowLargeCanaStandardizedCoefficientbe.pdf>).

In general, items L1-L4 and L6-L8 were highly, positively correlated, with items L5, L9, and L10 having negative or null associations with other items.

S2 Table. Spearman's correlation coefficient between Vaccine Hesitancy Scale Items

	L1	L2	L3	L4	L6	L7	L8	L5	L9	L10
L1		0.61**	0.59**	0.49**	0.38**	0.51**	0.52**	-0.10	-0.13**	0.11
L2			0.71**	0.60**	0.52**	0.59**	0.56**	-0.19**	-0.09	0.09
L3				0.62**	0.50**	0.59**	0.63**	-0.21**	-0.12**	0.11
L4					0.57**	0.57**	0.55**	-0.26**	-0.13**	0.03
L6						0.59**	0.58**	-0.33**	-0.14**	0.03
L7							0.72**	-0.22**	-0.11	0.12**
L8								-0.22**	-0.17**	0.08
L5									0.25**	0.17**
L9										0.21**

** P<0.0001 *P<0.05