

Supplementary material:

Table 1: Likelihood parameter estimates for synaptic weights

Predictor		Parameter Estimates		Output Layer
		H(1:1)	H(1:2)	treatment
Input Layer	(Bias)	-0.36	0.43	
	[age_cat=.00]	-0.26	-0.28	
	[age_cat=1.00]	0.28	0.57	
	[viral_load=.00]	-1.77	-0.51	
	[viral_load=1.00]	1.64	0.97	
	[gender=0]	0.38	0.04	
	[gender=1]	-0.58	-0.44	
	[Area=1]	0.10	0.65	
	[Area=2]	0.20	-0.76	
	[Area=3]	-0.88	-1.05	
	[Area=4]	1.60	1.18	
	Treatment duration Visit	3.74	0.93	
		-1.65	-1.32	
Hidden Layer 1	(Bias)			0.884305
	H(1:1)			-4.37528
	H(1:2)			-2.01677