

S3 Table. Experiment 2. β coefficients convergence. For each coefficient the mean and variance are reported for the last three MCMC sub-chains (e.g. from 70,001 to 80,000; from 80,001 to 90,000; and from 90,001 to 100,000). Diff (%) is the proportion of variation in the mean and variance compared to the mean of the means and the mean of the variances. Inter, is the intercept; test is the variable containing test and controls (0 for controls and 1 for tests); ch is the interaction between test and house; cd is the interaction between test and distance; h is the house (house number 2, 3 and 4); and d is the distance (10m, 20m and 30m).

Coeff.	Mean1	Mean2	Mean3	Diff(%)		Var1	Var2	Var3	Diff(%)
Inter	3.355	3.341	3.344	0.432		0.023	0.026	0.021	20.046
test	1.702	1.722	1.709	1.131		0.027	0.031	0.027	14.866
h2	-0.087	-0.070	-0.073	21.229		0.060	0.051	0.054	16.606
h3	-0.322	-0.302	-0.318	6.363		0.024	0.023	0.024	1.094
h4	1.071	1.078	1.076	0.656		0.093	0.085	0.096	12.495
d10	0.137	0.136	0.152	10.770		0.083	0.084	0.089	6.420
d20	0.767	0.780	0.775	1.679		0.026	0.029	0.030	12.351
d30	1.023	1.019	1.026	0.651		0.042	0.043	0.048	12.026
ch2	-0.451	-0.442	-0.458	3.558		0.080	0.064	0.070	21.394
ch3	-0.529	-0.543	-0.529	2.675		0.032	0.030	0.033	11.937
ch4	-0.758	-0.742	-0.775	4.339		0.127	0.111	0.120	13.029
cd10	0.234	0.208	0.226	11.944		0.106	0.108	0.114	6.966
cd20	-0.279	-0.296	-0.291	5.913		0.033	0.036	0.036	8.301
cd30	-0.049	-0.076	-0.061	44.959		0.056	0.057	0.062	10.087