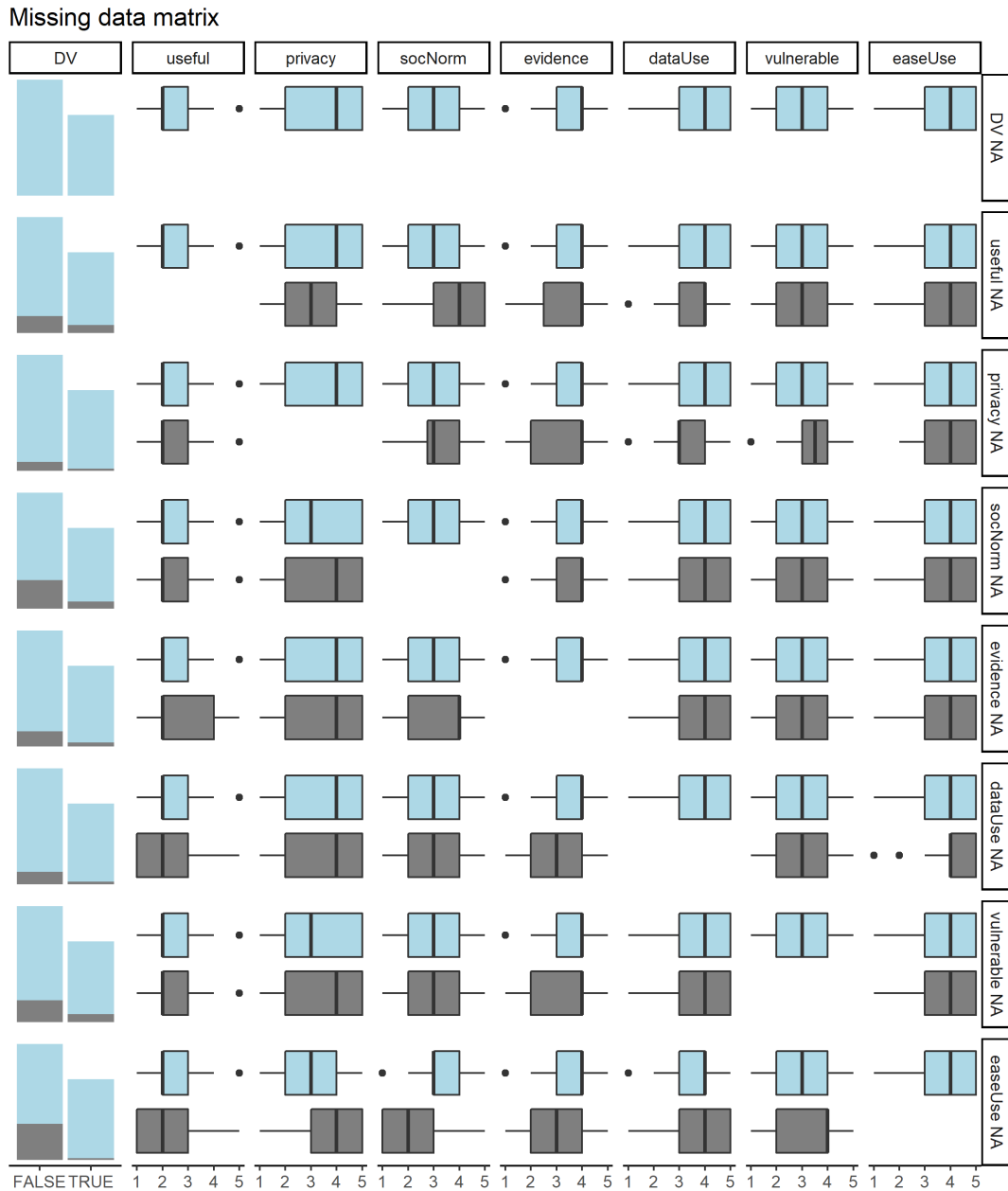


Appendix: Adoption and continued use of mobile contact tracing technology

Figure A1: Missing data patterns across attitudinal predictors + adoption (DV, wave 2)



Notes: attitudinal predictors more likely to be missing for non-adopters, particularly “ease of use”; some but not all attitudes are related to each other in terms of missingness, for example those with missing data on ease of use were more concerned about privacy.

Table A1: Logistic regression results pooled across five multiply imputed*** datasets

Model	Term	Log odds	OR	SE	p	RIV*	Lambda**	
Initial adoption N = 2,500 N (districts) = 1,282 SD (districts) = 0.34 m = 5*** AIC = 2596.07 BIC = 2712.55 logLik = -1278.03 df.resid = 2,480	Intercept	-0.82	0.44	0.23	0.00	0.02	0.02	
	Age	-0.18	0.84	0.06	0.00	0.04	0.04	
	Women	0.01	1.01	0.10	0.89	0.01	0.01	
	Education	0.00	1.00	0.11	0.97	0.06	0.06	
	Ethnic minorities	-0.03	0.97	0.19	0.87	0.04	0.04	
	Perceived usefulness	-0.03	0.97	0.06	0.61	0.42	0.30	
	Privacy concern	-0.81	0.44	0.07	0.00	0.05	0.05	
	Social norms	0.60	1.82	0.06	0.00	0.56	0.36	
	Transparent evidence	0.13	1.13	0.06	0.05	0.14	0.12	
	More info on data usage	0.12	1.12	0.07	0.13	0.19	0.16	
	Evidence on vulnerable groups	0.01	1.01	0.06	0.89	0.15	0.13	
	Ease of use	0.61	1.84	0.06	0.00	0.14	0.12	
	Trust in UK Gov't	-0.04	0.96	0.05	0.43	0.04	0.04	
	Mobility	-0.20	0.82	0.11	0.08	0.04	0.04	
	Compliance	0.29	1.33	0.12	0.02	0.04	0.04	
	Tier 2 (district)	-0.19	0.83	0.11	0.10	0.01	0.01	
	Tier 3 (district)	-0.20	0.82	0.16	0.22	0.03	0.03	
Cases (district)	0.03	1.03	0.05	0.60	0.07	0.07		
Urban (district)	0.33	1.39	0.18	0.08	0.01	0.01		
Continued use N = 1,026 m = 5*** AIC = 742.12 BIC = 816.12 logLik = -356.06 df.resid = 1,011	Intercept	1.67	5.29	0.28	0.00	0.01	0.01	
	Age	0.12	1.13	0.11	0.28	0.01	0.01	
	Women	0.17	1.19	0.21	0.41	0.01	0.01	
	Education	0.28	1.32	0.21	0.19	0.01	0.01	
	Ethnic minorities	-0.28	0.76	0.35	0.43	0.00	0.00	
	Perceived usefulness	0.16	1.18	0.11	0.16	0.10	0.09	
	Privacy concern	-0.26	0.77	0.13	0.05	0.03	0.03	
	Social norms	0.27	1.31	0.13	0.06	0.27	0.21	
	Transparent evidence	-0.25	0.78	0.14	0.08	0.09	0.08	
	More info on data usage	0.00	1.00	0.14	1.00	0.10	0.09	
	Evidence on vulnerable groups	-0.03	0.97	0.12	0.84	0.12	0.11	
	Ease of use	0.20	1.22	0.13	0.13	0.03	0.03	
	Trust in UK Gov't	-0.04	0.96	0.11	0.69	0.01	0.01	
	Mobility	0.06	1.06	0.22	0.78	0.00	0.00	
	Compliance	-0.16	0.85	0.22	0.45	0.01	0.01	
	New adoption N = 1,474 m = 5*** AIC = 688.88 BIC = 768.32 logLik = -329.44 df.resid = 1,459	Intercept	-3.31	0.04	0.32	0.00	0.02	0.01
		Age	-0.49	0.62	0.12	0.00	0.02	0.01
Women		0.29	1.34	0.22	0.19	0.00	0.00	
Education		0.52	1.68	0.23	0.02	0.01	0.01	
Ethnic minorities		-0.22	0.80	0.38	0.56	0.01	0.01	
Perceived usefulness		0.04	1.04	0.12	0.77	0.07	0.07	
Privacy concern		-0.37	0.69	0.15	0.02	0.02	0.02	
Social norms		0.34	1.40	0.13	0.02	0.16	0.14	
Transparent evidence		0.18	1.20	0.14	0.19	0.08	0.08	
More info on data usage		0.06	1.07	0.15	0.69	0.12	0.11	
Evidence on vulnerable groups		0.08	1.08	0.13	0.55	0.05	0.05	
Ease of use		-0.04	0.96	0.13	0.77	0.31	0.24	
Trust in UK Gov't		0.34	1.40	0.12	0.01	0.01	0.01	
Mobility		0.29	1.34	0.25	0.25	0.00	0.00	
Compliance		0.11	1.12	0.23	0.63	0.00	0.00	

* Relative increase in variance due to missingness

** Proportion of total variance due to missingness

*** Number of multiple imputations generated with Gibbs sampling (predictive means) implemented in mice (Van Buuren and Groothuis-Oudshoorn, 2011).