

Additional file 13. Five-fold cross-validation for the final models of voluntary pseudo-panel datasets.

	Voluntary GZ Subset	Voluntary CD Subset
RMSE1	1.1226	0.6458
RMSE2	0.8873	0.6756
RMSE3	1.0672	0.7114
RMSE4	1.0631	0.5327
RMSE5	0.8710	0.6045
Average RMSE _(cross-validation) ^a	1.0313	0.6370
RMSE _(full sample)	0.9856	0.6329
ΔRMSE ^b	0.0457	0.0041
% change in RMSE ^c	4.6368	0.6478

^aAverage RMSE_(cross-validation) = SQRT((RMSE₁² + RMSE₂² + ... + RMSE₅²)/5).

^bΔRMSE = Average RMSE_(cross-validation) - RMSE_(full sample).

^c%change in RMSE = ΔRMSE×100/ RMSE_(full sample).