Supporting Information

Figs A-F are discussed in the main text.

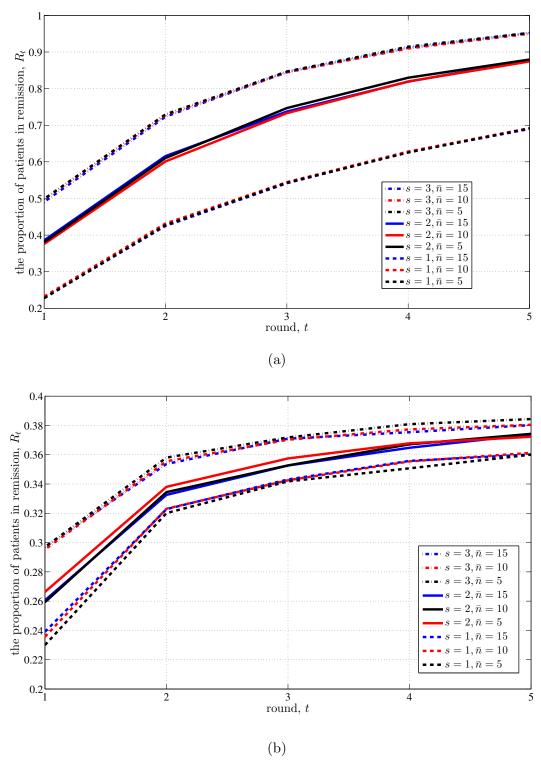


Fig A: For (a) the independence version and (b) the dependence version of the model with $D_1 = 5$ initial donors and pool sizes of s = 1, 2, 3, the impact of different values of the threshold \bar{n} , which is used to add naive donors in step 3 of the algorithm.

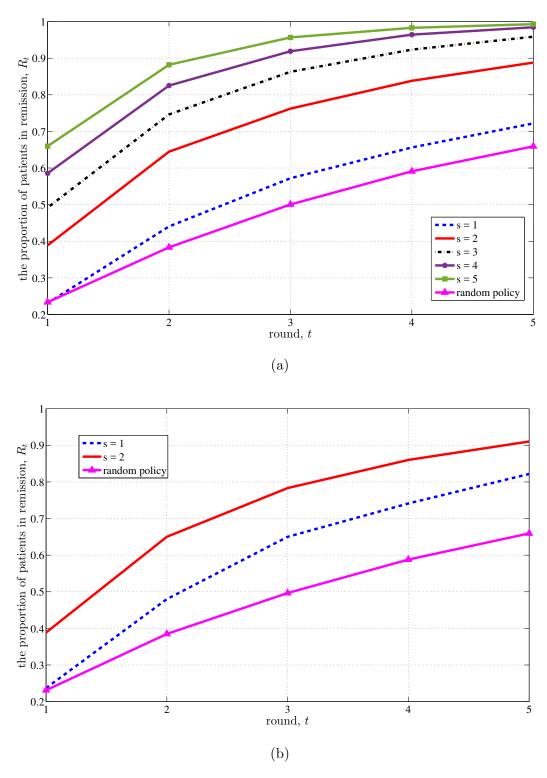


Fig B: Results for the independence version of the model with (a) $D_1 = 10$ and (b) $D_1 = 20$ initial donors.

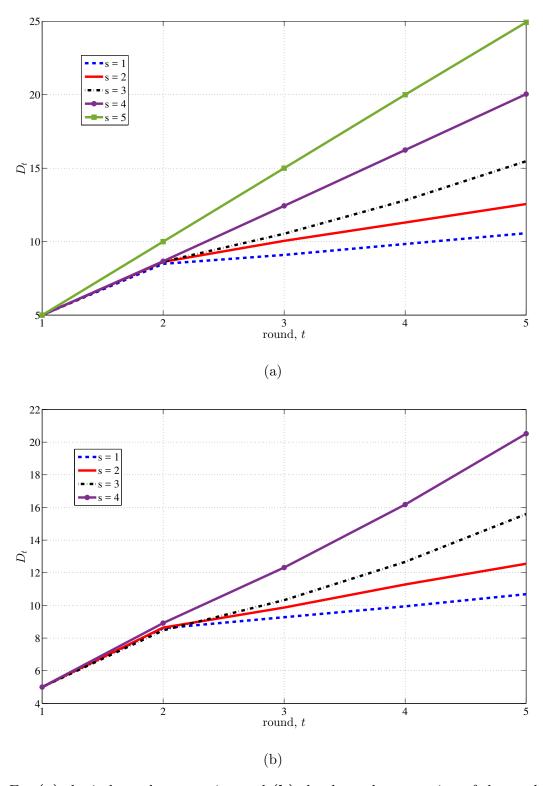


Fig C: For (a) the independence version and (b) the dependence version of the model with $D_1 = 5$ initial donors, the total number of donors available in round t, D_t .

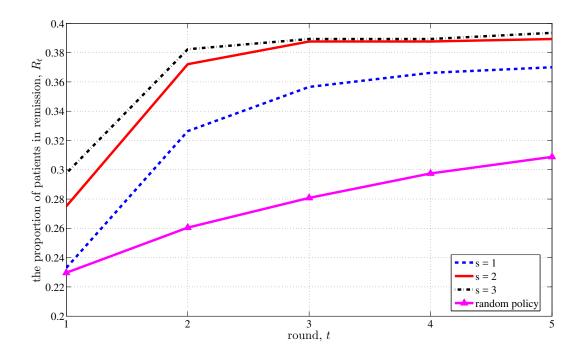


Fig D: Results for the dependence version of the problem with $D_1=10$ initial donors.

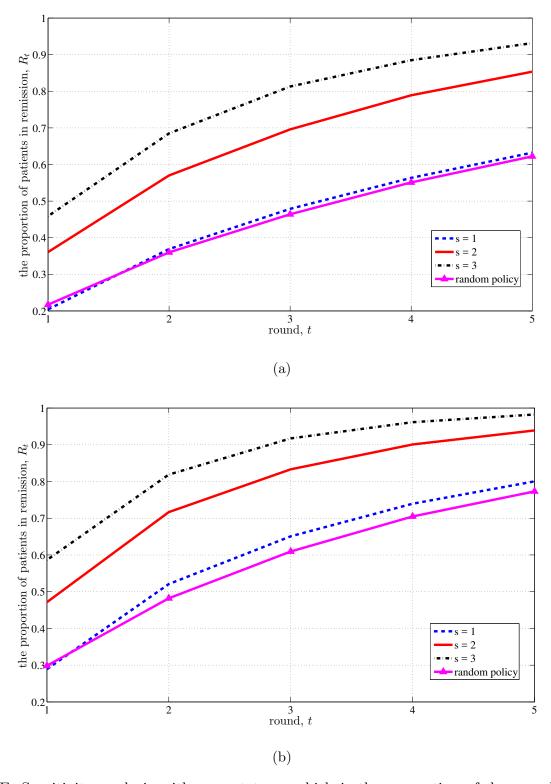


Fig E: Sensitivity analysis with respect to p, which is the proportion of donors who are effective. Results for the independence version of the model with $D_1 = 5$ initial donors when (a) p = 0.1 and (b) p = 0.5.

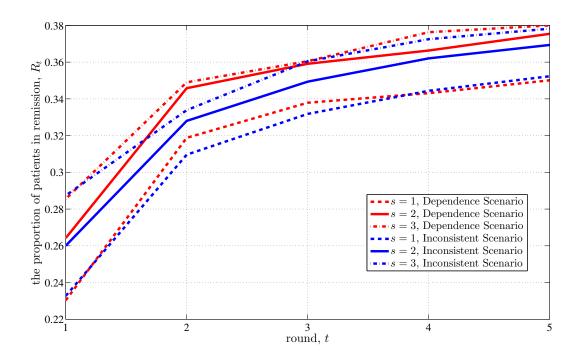


Fig F: Results from a sensitivity analysis, where – in the inconsistent scenario – the algorithm assumes the independence version of the model but the true model is the dependence version.