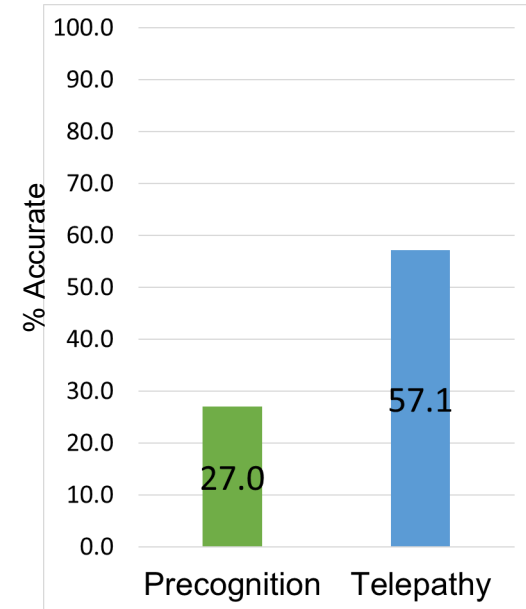
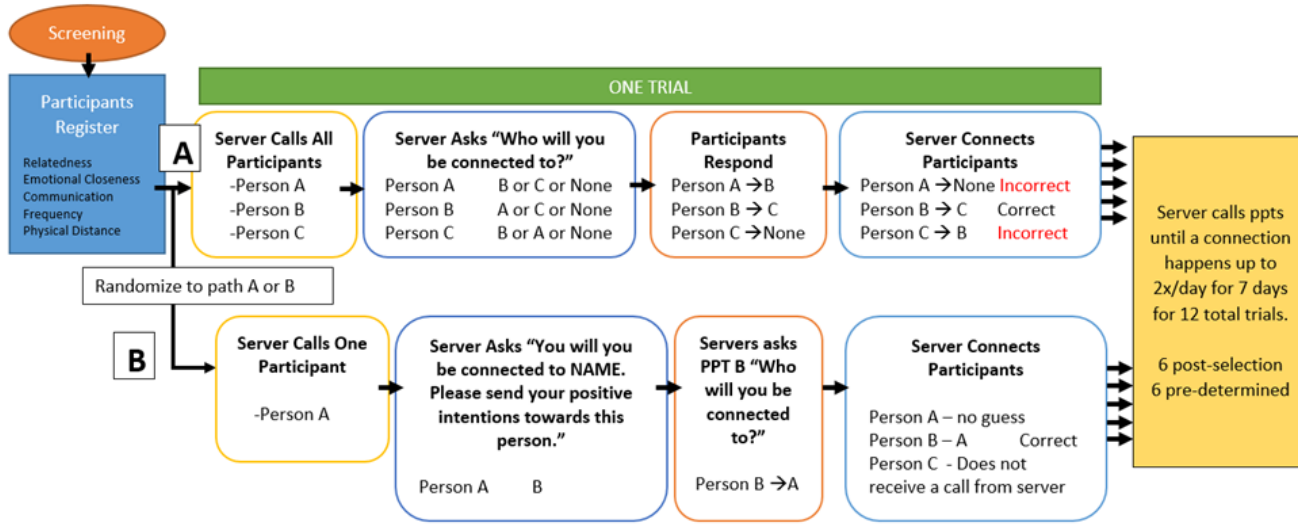


# Who's Calling? Evaluating the Accuracy of Guessing Who is on the Phone

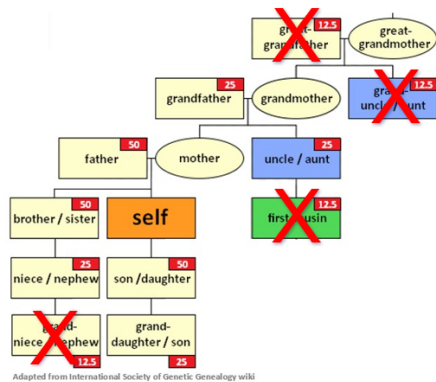
Helané Wahbeh, Cedric Cannard, Dean Radin, Arnaud Delorme  
(Grant No. 180/20)



(Wald  $X^2 = 31.4, p < 0.00005$ )

## Genetic Relatedness

- What is the relationship between accuracy and genetic relatedness?
  - Hypothesis - The more related two participants are, the more accurate their responses will be.
- Without any other variables, people who were related were more accurate.
  - 25% (3.49x) and 50% (1.86x) relatedness (not 12.5%)
- Only 25% (2.88x) when other variables in the model



Adapted from International Society of Genetic Genealogy wiki

## Emotional closeness, communication frequency, and physical distance

- Do these factors influence accuracy?
  - Emotional closeness – No – FALSE  
 $\beta = 0.005, z = 1.87, P = .06$
  - Communication frequency – Yes  
 $(\beta = 0.006, z = 2.19, p=0.038)$
  - Physical distance – No TRUE  
 $\beta = 0.0002, z = 1.56, P = .12$

