Simulation-Based Statistical Power Calculator

7 Run simulation

Sample Sizes

Number of clusters per arm (m)

2 -> Default = 25

Nymber Sampled units per cluster (η)

100 -> Default = 30

Variance/Covariance

[can we include an option for Design]
effect instead of ICC (not a priority)]

Variance

Intra-Cluster Correlation (ICC) Thought and get equation? [8 Between]

0.028 -> Sliding Scale 0.0-1.0

Text: ICC is the Mandance Methoder Mysthod fraction of the total Variance that is affiliated to between cluster variance. An ICC = 0 approximates an individually random: zed control study. An ICC = 1 means that cluster differences are very important.

Treatment Parameters

Baseline prevalence under conful Codifications

Λ 70

Max prevalence under treatment Conditions

0.78

with prevalence under treatment Conditions

0.6

text. Prevalence under formation Control Conditions, Kan the hup://127.0.0.1:7139/ Le estimated using either baseline values pirlot data raliferation.

Prevalence under treatment is the estimated probablence minimum Previous to de

0.78

Number of intervals to test

Power and Simulation Parameters

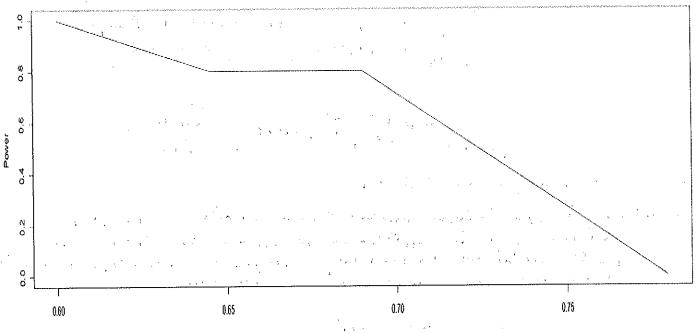
Alpha (\varpropto)

0.05

text. & is the probability of type I err, rypically set a 0.05.

Number of Simulation Iterations

10



Trealment Prevalence

:	Treatment Prevalence	Power
1	. 0.78	0.00
2	0.73	0.40
3	0.69	0.80
4	0.65	0.80
5	0.60	1.00

http://127.0.0.1:7139/

Design
Outcome
Allocation
Number of follows

Shale
Population

Binam
Individual

the Continuous
Cluster

LQAS

Cant

Formane Power | Sample Size