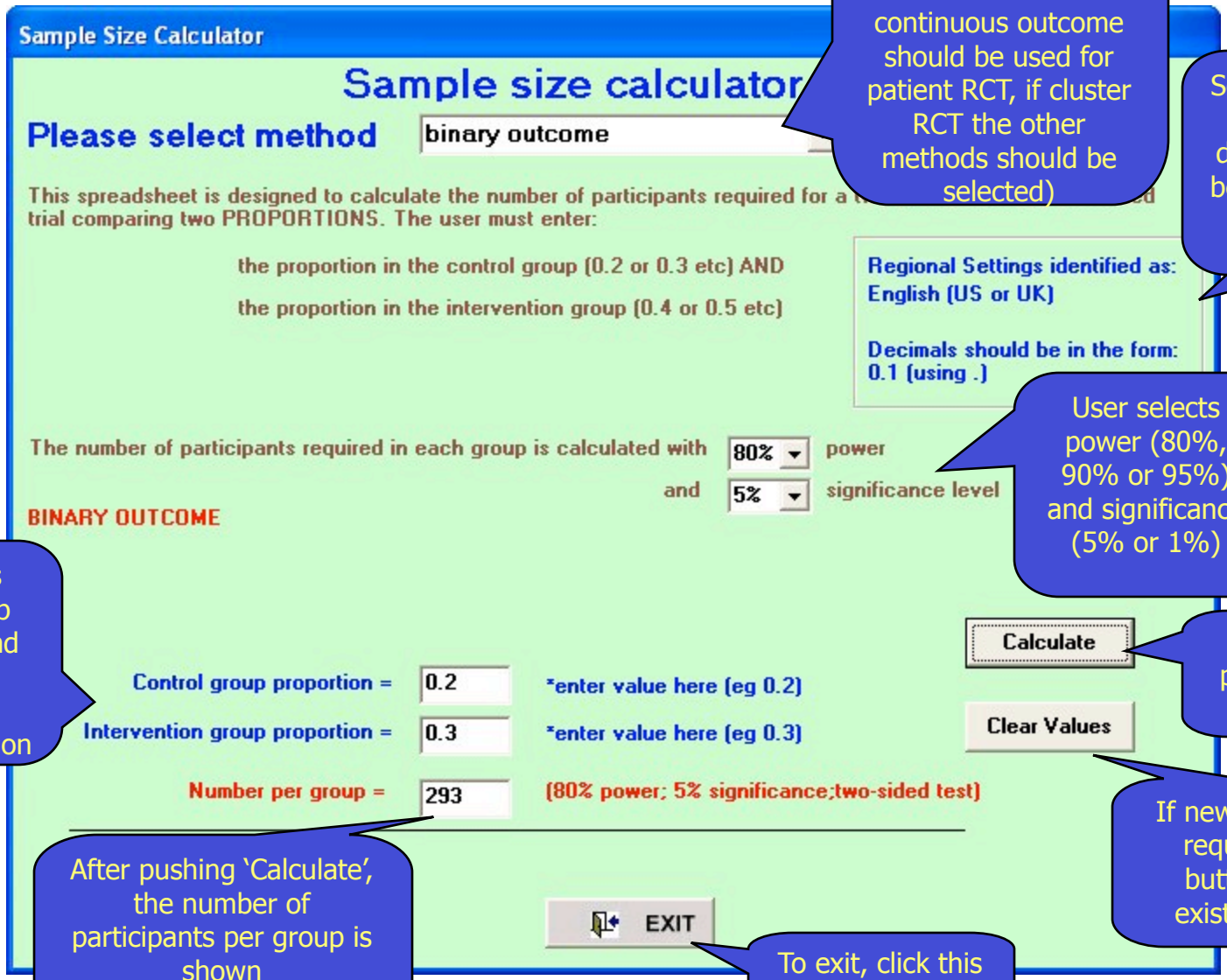
Binary outcome



User selects which type of outcome the calculation will be based upon (binary outcome and continuous outcome should be used for patient RCT, if cluster RCT the other methods should be selected)

Software detects whether decimals should be entered using full stops or commas

User selects power (80%, 90% or 95%) and significance (5% or 1%)

User selects control group proportion and expected intervention group proportion

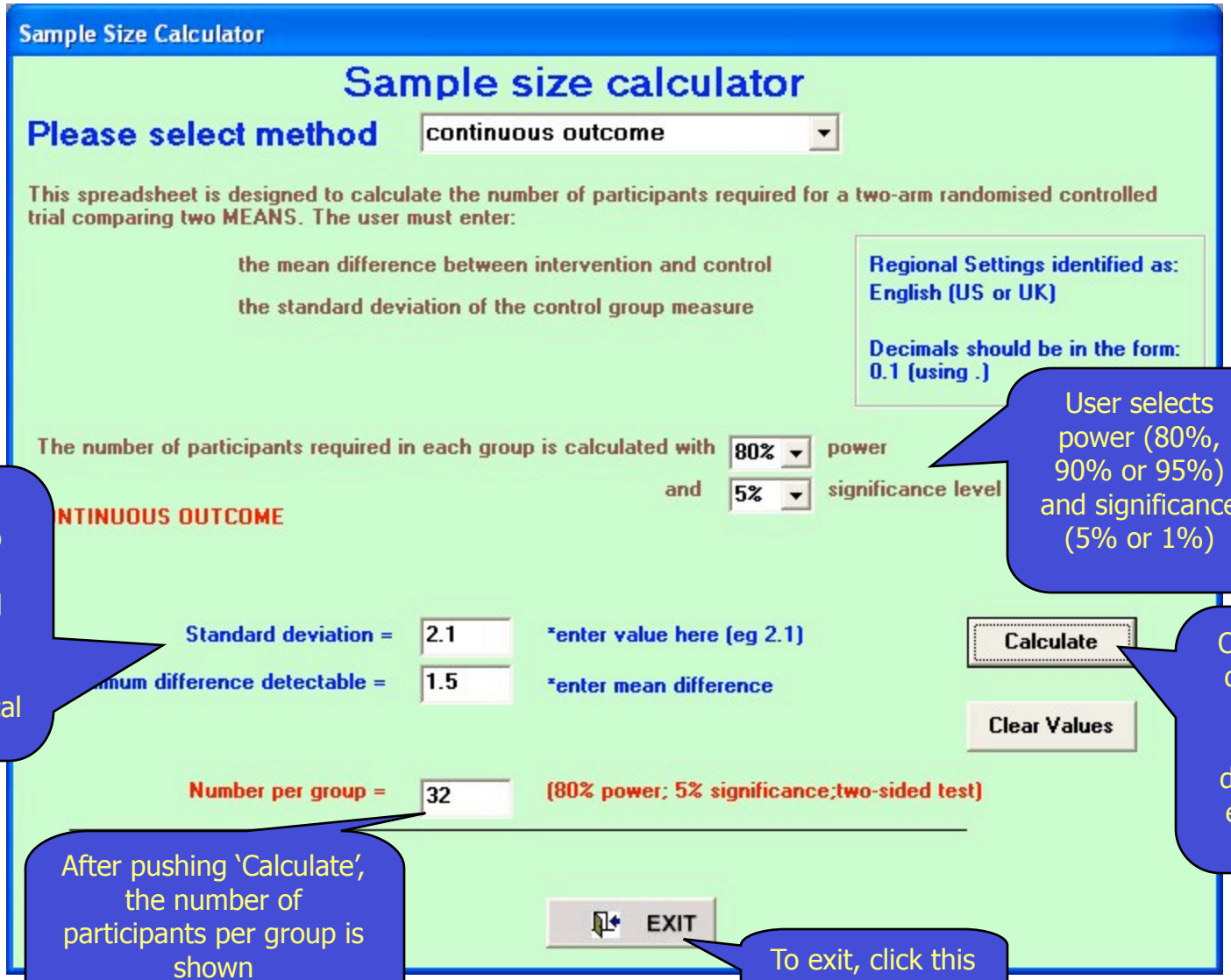
Once proportions are entered, click this button

If new calculation required, this button clears existing values

After pushing 'Calculate', the number of participants per group is shown
Eg 293 in each group (586 in total)

To exit, click this button

Continuous outcome



User selects control group standard deviation and expected significant minimum clinical difference

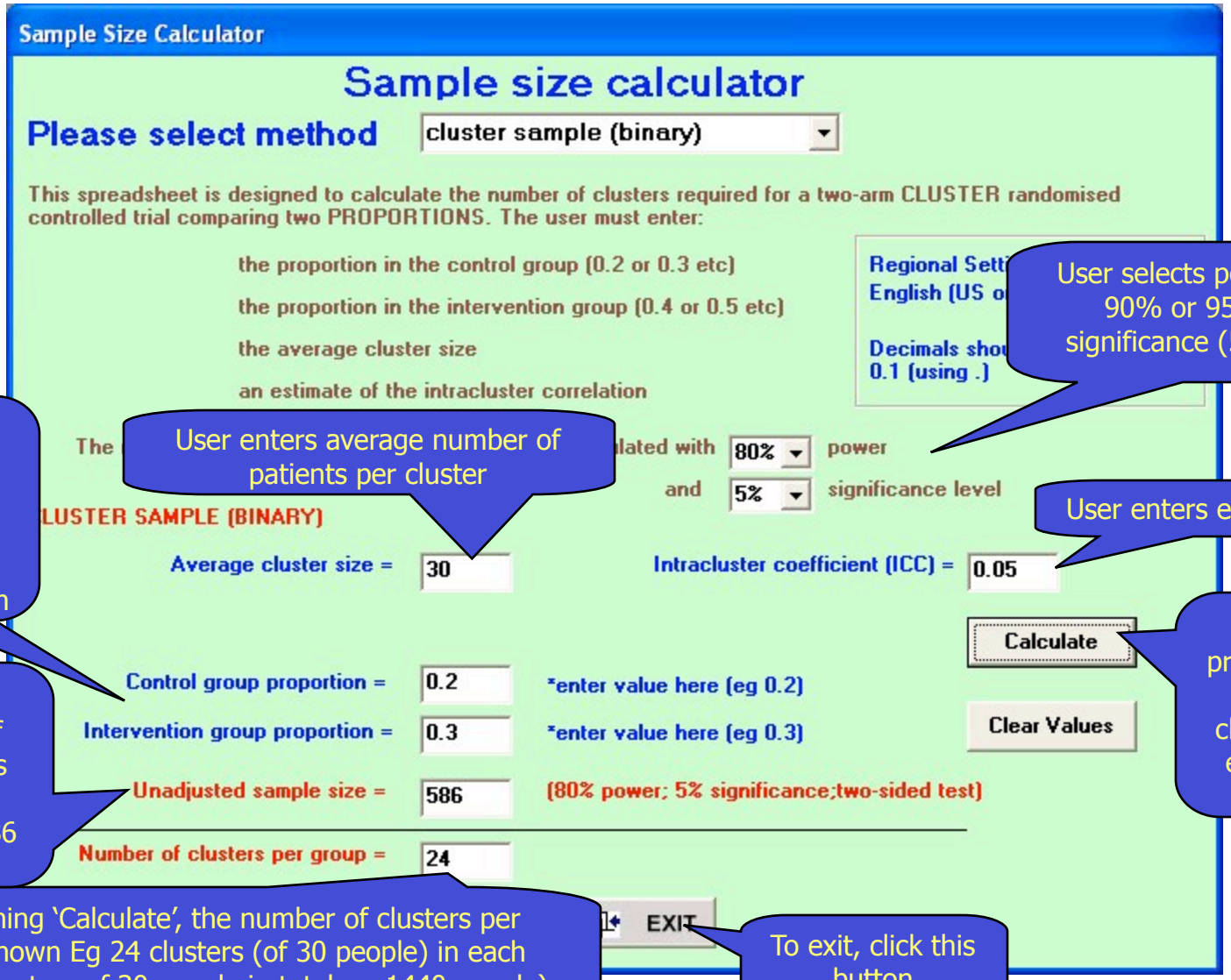
User selects power (80%, 90% or 95%) and significance (5% or 1%)

Once standard deviation and minimum difference detectable are entered, click this button

After pushing 'Calculate', the number of participants per group is shown
Eg 32 in each group (64 in total)

To exit, click this button

Cluster sample (binary)



User selects power (80%, 90% or 95%) and significance (5% or 1%)

User enters average number of patients per cluster

User selects control group proportion and expected intervention group proportion

User enters expected ICC

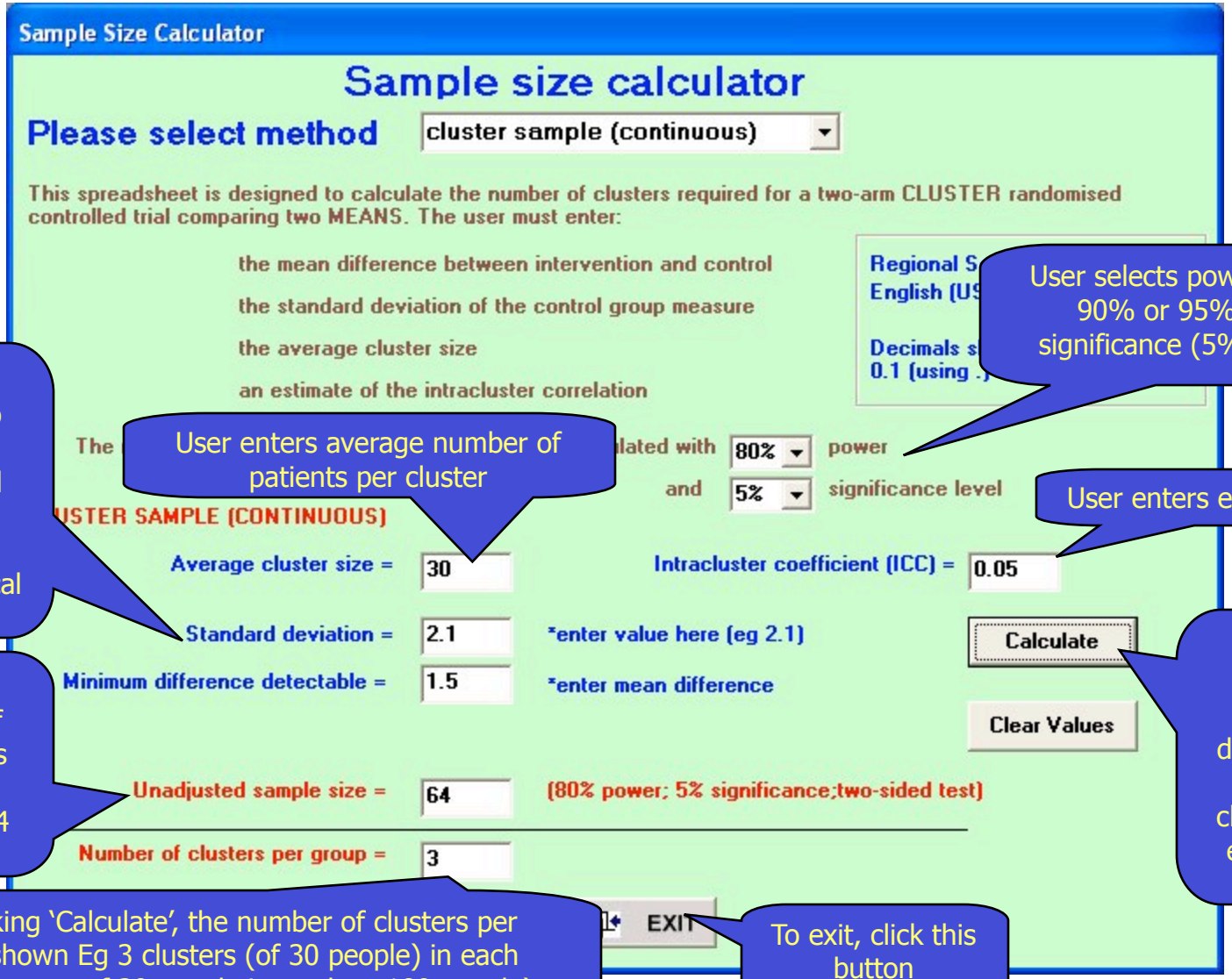
Once proportions, ICC and average cluster size are entered, click here

Computes sample size if clustering was ignored (trial would have 586 patients)

After pushing 'Calculate', the number of clusters per group is shown Eg 24 clusters (of 30 people) in each group (48 clusters of 30 people in total, or 1440 people)

To exit, click this button

Cluster sample (continuous)



User selects control group standard deviation and expected significant minimum clinical difference

User enters average number of patients per cluster

User selects power (80%, 90% or 95%) and significance (5% or 1%)

User enters expected ICC

Computes sample size if clustering was ignored (trial would have 64 patients)

Once SD, minimum detectable difference, ICC and average cluster size are entered, click here

After clicking 'Calculate', the number of clusters per group is shown Eg 3 clusters (of 30 people) in each group (6 clusters of 30 people in total, or 180 people)

To exit, click this button