Key Features & Benefits

- Validated and tested software, currently used at the FDA
- More clinical trial designs than any other package
- Flexible options for survival designs
- Powerful customizable simulation engines for sensitivity analysis and prediction
- Customizable charts and tables to enhance communication with stakeholders
- Excellent user manual, help tools, and technical support

What's New?

- Quickly create multiple designs at once
- Add accrual, response lag, and dropout for normal and binomial endpoints
- Preview, sort, and filter a large set of designs before saving
- Compare trials of different types and different endpoints
- Visualize multiple designs on a single chart
- Import and analyze datasets; run user-created R or SAS programs
- Customize reports to combine charts, tables, and text from different designs
- Design and simulate survival studies accounting for stratification

Fixed Sample Size & Group Sequential Designs

for Superiority, Non Inferiority and Equivalence

Continuous

One Mean
Single Mean
Difference of Paired Means
Ratio of Paired Means

Two Means
Difference of Independent Means
Ratio of Independent Means
Wilcoxon-Mann Whitney for Independent Means
Difference of Means for Crossover Data
Ratio of Means for Crossover Data

Many Means
One Way ANOVA
One Way Repeated Measures ANOVA
Two Way ANOVA
Multiple Pairwise Comparisons

Regressions
Linear Regression for Single Slope
Linear Regression to Compare Two Slopes
Repeated Measures Regression to Compare Two Slopes

Survival
Logrank Test
Green Accrual Duration and Rates
Given Accrual and Study Duration

Discrete

One Proportion
Single Proportion
Morgan's Test for Matched Pairs

Two Proportions
Difference of Independent Proportions
Ratio of Proportions
Odds Ratio of Proportions
Cochran-Mantel-Haenszel Test
Fisher's Exact Test

Many Proportions
Trend in R Ordered Proportions
1x2 Chi-Square Test for Independence
2x2 Chi-Square Test for Independence
Wilcoxon-Mann Whitney Test for Categorical Data
Multiple Pairwise Comparisons

Regressions
Logistic Regression for Single Slope
Agreement
Cohen's Kappa Test for Two and Many Proportions

Further Features & Options

Charts & Tables
Power vs. Sample Size
Power vs. Treatment Effect
Study Duration vs. Accrual

Survival Design Options
Pharmacokinetics, Dropout, & Accrual
Simulate Non-Proportional Hazards
Fixed or Variable Follow-up
Committed Accrual Duration vs Subjects
Stratified sampling and stratified log rank test

Multiple Comparison Options
Generate means through a DR curve
Global, disjointive, conjunctive, and individual power
Family Wise Error Rate (FWER)
Comparative plots of power, FWER, box plots, estimated means

Multiple Comparison Procedures

Multiple pairwise comparisons with a control:
Continuous endpoint: Difference of means
Binary endpoint: Difference of proportions

Parametric multiple comparison procedures:
Dunnett's single step
Dunnett's step down

P-value based multiple comparison procedures:
Bonferroni
Sidak
Weighted Bonferroni
Holm's step-down
Hochberg's step-up
Homework's step-up
Fixed sequence
Fallback

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What Sets SiZ® Apart?

The unique combination of a wide array of validated design methods, a trial simulator, customizable tables & charts, plus built-in analysis tools - all easy to understand and fully utilize.

SiZ® helps streamline key aspects of clinical research planning and analysis. SiZ® users are more productive - efficiently generating, simulating and comparing multiple designs. They're also analyzing the study data within the same environment responsible for the design.

About Cytel Architect™

A modern and fully validated platform, specifically built to support clinical study planning and analysis, Cytel Architect opens new possibilities for innovation in design software by providing:

- An intuitive user experience to make complex methods easily accessible
- Powerful simulation capabilities and data exploration tools
- R and SAS integration for users to extend core capabilities
- Customizable reporting tools to create documents with all the salient design operating characteristics
- A common integrated environment for all of Cytel’s design packages: SiZ®, Compass®, and East®

User-Friendly, Validated Software that Streamlines the Clinical Trial Design and Analysis Process
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