



Intelligent Clinical Trial Design

Based On Cloud Network

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1 Thinking Mode

2 Schema to Matrix

3 Demonstration

4 Thinking more

5 Question & Answer



Thinking Mode

Medication



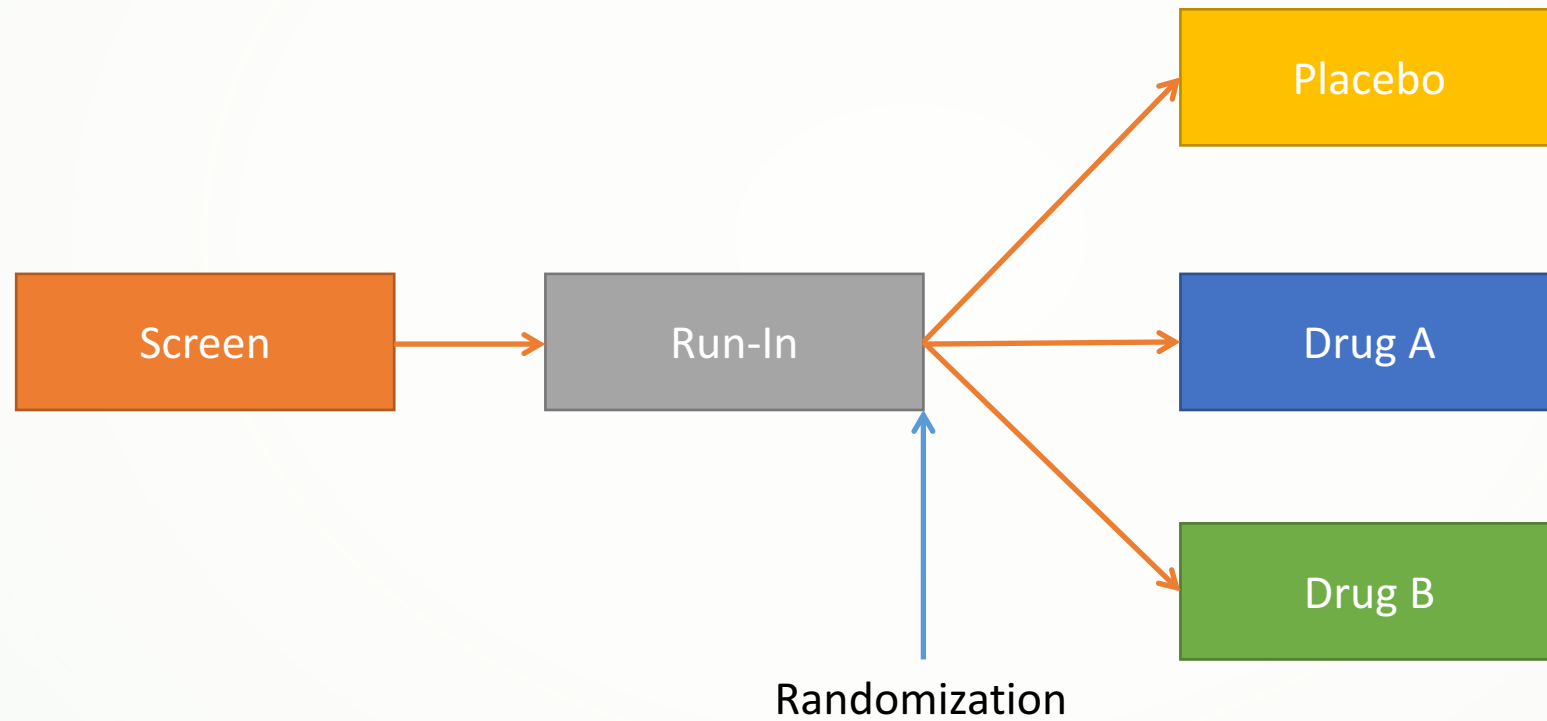
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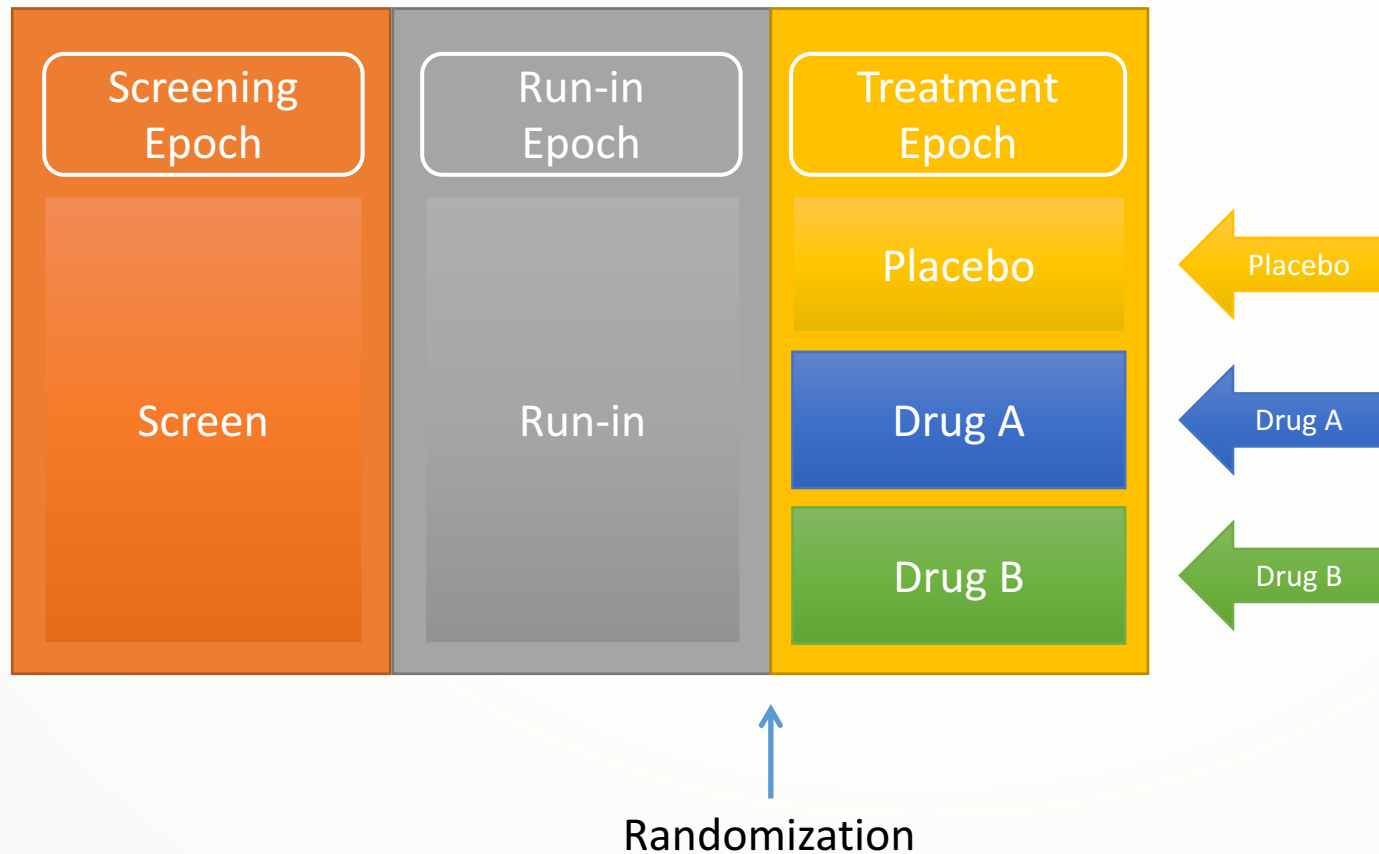
Schema to Matrix

Parallel Design Study schema



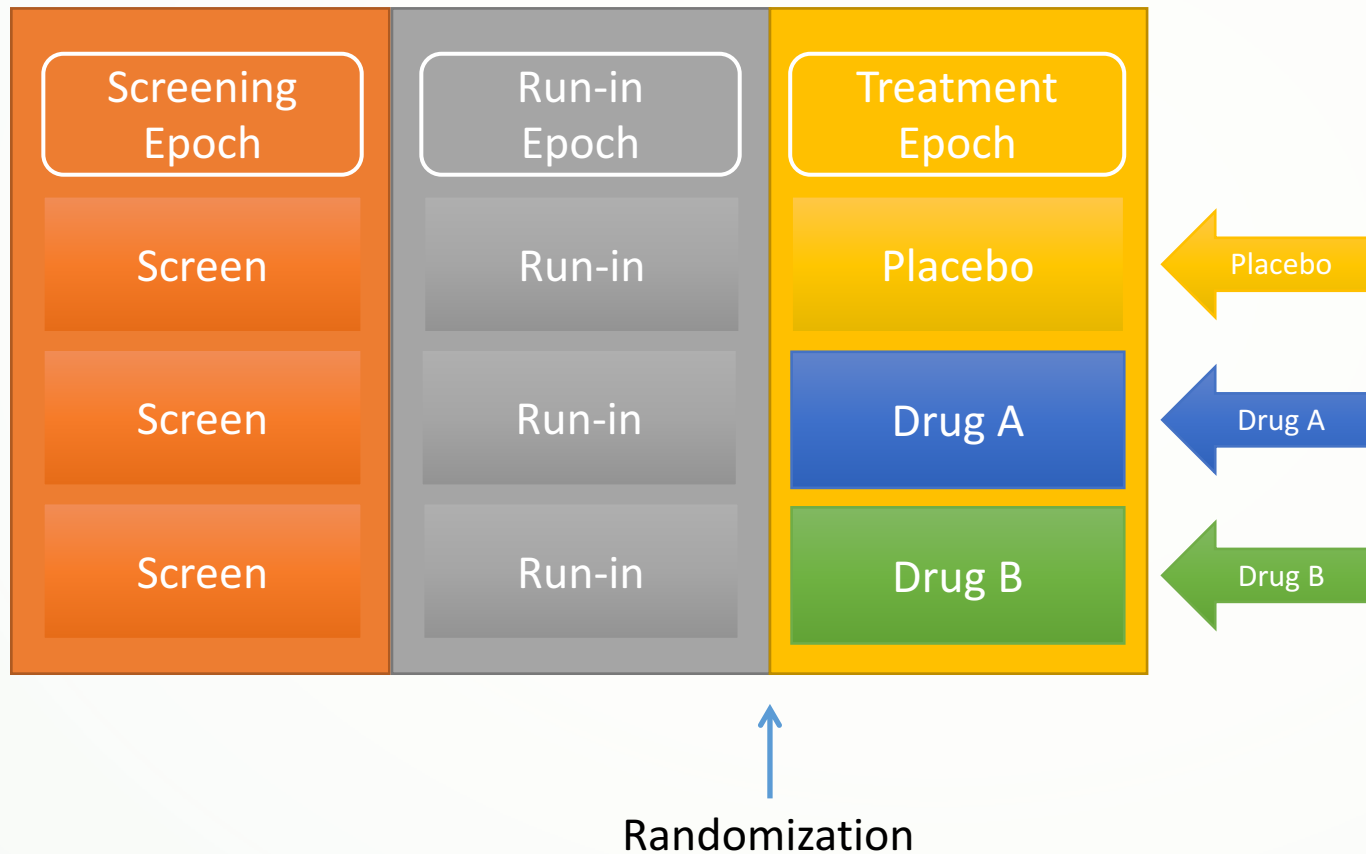
Parallel Design

Prospective view



Parallel Design

Retrospective view



A trial design matrix

	Screen	Run-in	Treatment
Placebo	Screen	Run-in	PLACEBO
Drug A	Screen	Run-in	Drug A
Drug B	Screen	Run-in	Drug B

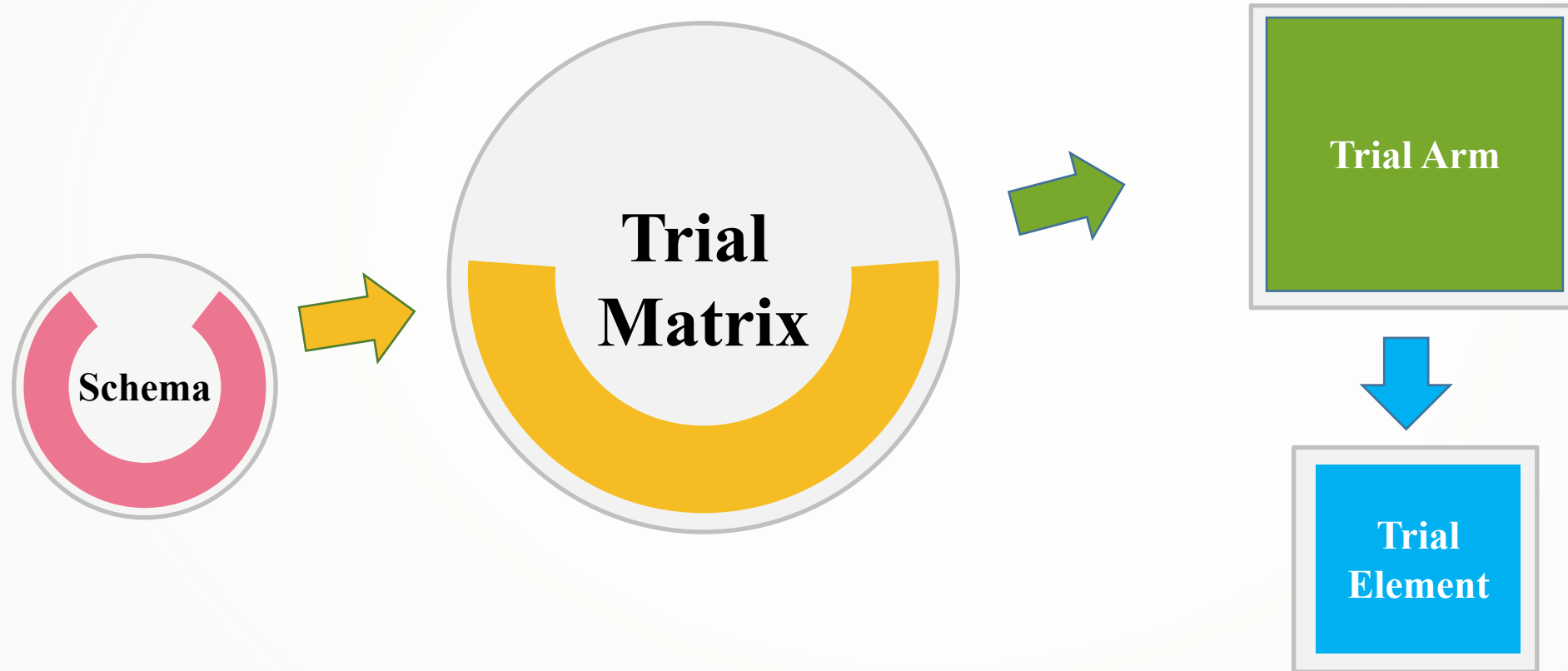
The Trial Arms

Row	STUDYID	DOMAIN	ARMCD	ARM	TAETORD	ETCD	ELEMENT	TABRANCH	TATRANS	EPOCH
1	EX1	TA	P	Placebo	1	SCRN	Screen			Screen
2	EX1	TA	P	Placebo	2	RI	Run-In	Randomized to Placebo		Run-In
3	EX1	TA	P	Placebo	3	P	Placebo			Treatment
4	EX1	TA	A	A	1	SCRN	Screen			Screen
5	EX1	TA	A	A	2	RI	Run-In	Randomized to Drag A		Run-In
6	EX1	TA	A	A	3	A	Drug A			Treatment
7	EX1	TA	B	B	1	SCRN	Screen			Screen
8	EX1	TA	B	B	2	RI	Run-In	Randomized to Placebo		Run-In
9	EX1	TA	B	B	3	B	Drug B			Treatment

The Trial Elements

Row	STUDYID	DOMAIN	ETCD	ELEMENT	TESTRL	TEENRL	TEDUR
1	EX1	TE	SCRN	Screen	Informed consent	1 week after start of Element	P7D
2	EX1	TE	RI	Run-In	Eligibility confirmed	2 weeks after start of Element	P14D
3	EX1	TE	P	Placebo	First dose of study drug, where drug is placebo	2 weeks after start of Element	P14D
4	EX1	TE	A	Drug A	First dose of study drug, where drug is Drug A	2 weeks after start of Element	P14D
5	EX1	TE	B	Drug B	First dose of study drug, where drug is Drug B	2 weeks after start of Element	P14D

Transform





Demonstration

How to Work?

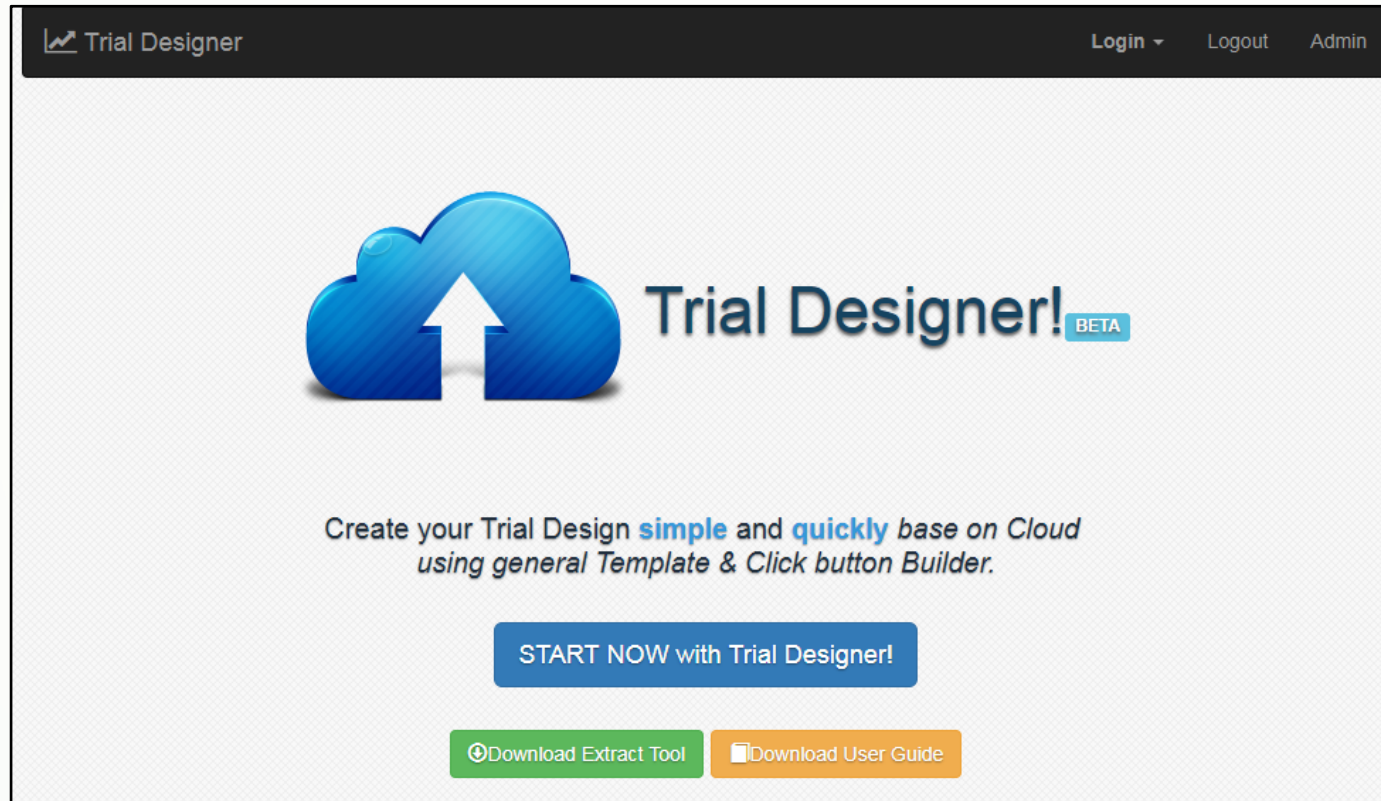


1

2

3

The Solution



www.redeast.xin

www.trialdesigner.xin

www.trialdesigner.top



4

More Thinking

1

Creating other clinical trial
design domain

2

Creating the draft SAS
programing file

3

Linking the trial
design and table shell

4

Adding R or Python
script for calculate the
sample size



Thanks For Watching

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