The SEQDESIGN Procedure Design: TwoSampleFreq

Design Information				
Statistic Distribution	Normal			
Boundary Scale	p-Value			
Alternative Hypothesis	Two-Sided			
Alternative Reference	-0.45929			
Number of Stages	1			
Alpha	0.05			
Beta	0.2			
Power	0.8			
Max Information (Percent of Fixed Sample)	100			
Max Information	37.20787			
Null Ref ASN (Percent of Fixed Sample)	100			
Alt Ref ASN (Percent of Fixed Sample)	100			

Method Information							
Boundary	Alpha	Beta	Alternative Reference	Drift			
Upper Alpha	0.02500	0.20000	0.459289	2.801585			
Lower Alpha	0.02500	0.20000	-0.45929	-2.80159			

Boundary Information (p-Value Scale) Null Reference = 0							
		Altern	Alternative		Boundary Values		
	Info	rmation Lev	Refer	Reference		Upper	
Stage	Proportion	Actual	N	Lower	Upper	Alpha	Alpha
1	1.0000	37.20787	1950.287	-2.80159	2.80159	0.02500	0.97500

Sample Size Summary				
Test	Two-Sample Proportions			
Null Proportion	0.105			
Proportion (Group A)	0.069			
Test Statistic	Log Odds Ratio			
Reference Proportions	Alt Ref			
Max Sample Size	1950.287			
Expected Sample Size (Null Ref)	1950.287			
Expected Sample Size (Alt Ref)	1950.287			

The SEQDESIGN Procedure Design: TwoSampleFreq

		Sa	mple	Sizes (N)	
Two-Sample	Log	Odds	Ratio	Test for Proportion	Difference

Fractional N

Ceiling N

Stage	N	N(Grp 1)	N(Grp 2)	Information	Ν	N(Grp 1)	N(Grp 2)	Information
1	1950.29	975.14	975.14	37.2079	1952	976	976	37.2405

The SEQDESIGN Procedure Design: TwoSidedOBrienFleming

Design Information					
Statistic Distribution	Normal				
Boundary Scale	p-Value				
Alternative Hypothesis	Two-Sided				
Early Stop	Accept(Nonbinding)/Reject Null				
Method	Error Spending				
Boundary Key	Both				
Alternative Reference	-0.45929				
Number of Stages	3				
Alpha (Binding Beta Boundary)	0.04382				
Alpha (Nonbinding Beta Boundary)	0.05				
Beta	0.2				
Power	0.8				
Max Information (Percent of Fixed Sample)	111.295				
Max Information	41.41061				
Null Ref ASN (Percent of Fixed Sample)	73.76837				
Alt Ref ASN (Percent of Fixed Sample)	85.07868				

Method Information

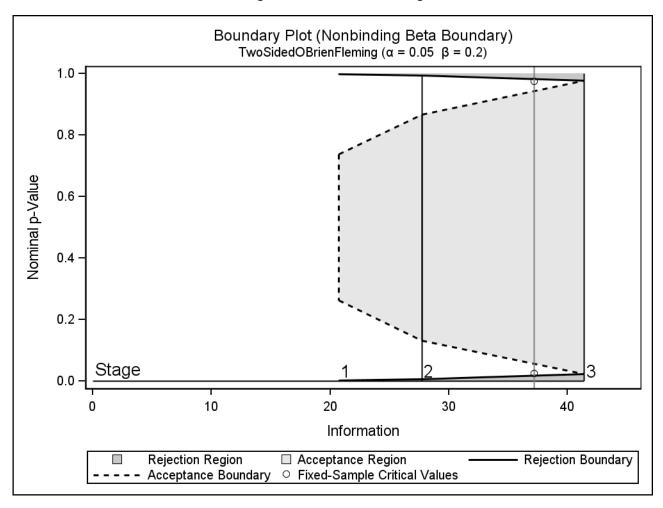
Error Spending

Boundary	Method	Alpha	Beta	Function	Alternative Reference	Drift
Upper Alpha	Error Spending	0.02500		Approx O'Brien-Fleming	0.459289	2.955577
Upper Beta	Error Spending		0.20000	Approx O'Brien-Fleming	0.459289	2.955577
Lower Beta	Error Spending		0.20000	Approx O'Brien-Fleming	-0.45929	-2.95558
Lower Alpha	Error Spending	0.02500		Approx O'Brien-Fleming	-0.45929	-2.95558

Boundary Information (p-Value Scale) Nonbinding Beta Boundary, Null Reference = 0

				Alternative			Boundar	y Values	
	Information Level			Refer	ence	Lo	wer	Up	per
Stage	Proportion	Actual	N	Lower	Upper	Alpha	Beta	Beta	Alpha
1	0.5000	20.7053	1085.289	-2.08991	2.08991	0.00153	0.26207	0.73793	0.99847
2	0.6700	27.74511	1454.287	-2.41924	2.41924	0.00570	0.13255	0.86745	0.99430
3	1.0000	41.41061	2170.578	-2.95558	2.95558	0.02301	0.02301	0.97699	0.97699

The SEQDESIGN Procedure Design: TwoSidedOBrienFleming



Error Spending Information (Nonbinding Beta Boundary) Cumulative Error Spending

	Information Level	Lower		Up	per
Stage	Proportion	Alpha	Beta	Beta	Alpha
1	0.5000	0.00153	0.06993	0.06993	0.00153
2	0.6700	0.00617	0.11743	0.11743	0.00617
3	1.0000	0.02500	0.20000	0.20000	0.02500

Sample Size Summary					
Test	Two-Sample Proportions				
Null Proportion	0.105				
Proportion (Group A)	0.069				
Test Statistic	Log Odds Ratio				
Reference Proportions	Alt Ref				
Max Sample Size	2170.578				
Expected Sample Size (Null Ref)	1438.699				
Expected Sample Size (Alt Ref)	1659.283				

The SEQDESIGN Procedure Design: TwoSidedOBrienFleming

Sample Sizes (N) Two-Sample Log Odds Ratio Test for Proportion Difference

Fractional N Ceiling N _Stage_ N N(Grp 1) N(Grp 2) Information N N(Grp 1) N(Grp 2) Information 1 1085.29 542.64 542.64 20.7053 1086 543 543 20.7189 2 1454.29 727.14 727.14 27.7451 1456 728 728 27.7778 3 2170.58 1085.29 1085.29 1086 1086 41.4106 2172 41.4377

