

The FMM Procedure

Model Information	
Data Set	M.HEMODIALYSISMIX
Response Variable (Events)	nriron
Response Variable (Trials)	nr
Type of Model	Homogeneous Mixture
Distribution	Binomial
Components	3
Link Function	Logit
Estimation Method	Maximum Likelihood

Number of Observations Read	3823
Number of Observations Used	3823
Number of Events	3176
Number of Trials	9999

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	5
Mean Function Parameters	3
Scale Parameters	0
Mixing Prob Parameters	2
Number of Threads	2

Iteration History				
Iteration	Evaluations	Objective Function	Change	Max Gradient
0	5	4783.009711		636.0366
1	2	4431.543189	351.46652210	219.7989
2	3	4281.469892	150.07329742	210.2622
3	2	4260.779864	20.69002755	118.3382
4	2	4237.672801	23.10706306	44.23060
5	2	4233.160750	4.51205122	25.14220
6	3	4231.319607	1.84114258	10.15010
7	3	4231.174194	0.14541368	0.678803
8	3	4231.154265	0.01992870	2.005522
9	2	4231.144596	0.00966867	1.245472
10	3	4231.138411	0.00618495	0.032992
11	3	4231.138388	0.00002366	0.021203

Convergence criterion (GCONV=1E-8) satisfied.

Fit Statistics	
-2 Log Likelihood	8462.3
AIC (Smaller is Better)	8472.3
AICC (Smaller is Better)	8472.3
BIC (Smaller is Better)	8503.5
Pearson Statistic	3791.8
Effective Parameters	5
Effective Components	3

Parameter Estimates for Binomial Model						
Component	Parameter	Estimate	Standard Error	z Value	Pr > z	Inverse Linked Estimate

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Component	Parameter	Estimate	Standard Error	z Value	Pr > z	Inverse Linked Estimate
1	Intercept	-2.8119	0.3196	-8.80	<.0001	0.05668
2	Intercept	0.1189	0.3399	0.35	0.7265	0.5297
3	Intercept	3.3471	3.5458	0.94	0.3452	0.9660

Parameter Estimates for Mixing Probabilities					
Component	Mixing Probability	Linked Scale			
		GLogit(Prob)	Standard Error	z Value	Pr > z
1	0.5238	1.9171	0.8797	2.18	0.0293
2	0.3992	1.6456	0.8326	1.98	0.0481
3	0.0770	0			

