Table I. Number of subjects in each subgroup. Each of the 10 medications was administered to this number of patients within these institution strata cells

Pain intensity stratum	Hospital		
	I	II	both
1 (a little)	6	7	13
2 (some)	10	10	20
3 (a lot)	10	8	18
4 (terrible)	6	4	10

Table II. Variance analyses of effectiveness data from both hospitals

Source of variance	df	SPID		Relief		Analgesia	
		MS	p <	MS	p <	MS	p <
H	1	58	0.200	454	0.001	837	0.008
I	3	3,558	0.001	260	0.001	1,956	0.001
M	9	65	0.040	66	0.050	339	0.006
Interaction H x I	3	117	0.001	55	0.200	231	0.050
Interaction H x M	9	32	0.050	66	0.040	189	0.030
Interaction I x M	27	17	0.500	17		63	
Interaction H x I x M	27	11		3		42	
Within blocks	530	17		34		92	
Error for primary interactions	557	17		32		89	
Error for main effects	39	28		31		105	

df = Degrees of freedom; MS = mean square; h = hospital; I = intensity of pain; M = medication.

The response time curves for each measure of effectiveness are presented in figure 2. The variance analyses presented above are based on the sum of the responses of each patient over this time period. The response time curves as well as the analyses suggest that the data from the hospitals should not be pooled. Therefore, further evaluation included analyses of the data from each hospital as well as the pooled data.

Table III includes (1) the code to the medications, (2) the analgesia scores for each hospital, (3) the orthogonal polynomials, (4) the numer-