

LSNI – West at our Colorado program (in collaboration with Imagine Behavioral Health Services, Lafayette, CO) has been utilizing cumulative graphing methods to evaluate the combined effects of behavioral and pharmacological treatment for persons receiving residential services, and for persons residing in community settings. Cumulative records of behavior patterns have served as important analytic tools in behavior analysis for over seventy-five years. These records provided a direct measure of behavior that led to the formulation of early accounts of behavior-environment interactions. Cumulative records were indispensable tools in early research in behavioral pharmacology.

More recently, cumulative graphing has led to new ways to conceptualize a functional analysis of behavior. The method can be used to monitor the long-term effects of behavior treatment for persons with brain injury, as well as for persons with pervasive developmental disabilities and behavior challenges related to aging and dementia.

The table below summarizes medication and cost reductions for residents receiving neurobehavior treatment at LSNI-West. The data in the left columns show medication doses and costs at time of admission to the program. Data in the right columns show the current medications and costs for these same residents, along with the overall cost difference.

SUMMARY OF MEDICATIONS

Name	Medications at Admission	Dose	Current Medications	Dose	Cost Savings
Anna	Klonopin	0.5mg TID	Clozaril	200mg QHS	
	Paxil	20mg QAM			
	Risperdal	5mg BID			
	Seroquel	300mg BID			
	Seroquel	300mg HS			
	Depakote	500mg TID			
	Trazodone	100mg HS			
	Monthly Cost	\$ 3,166.00			
Annual Cost	\$ 37,992.00	Annual Cost	\$ 2,522.40	\$ 35,469.60	
Sam	Risperdal	2mg QAM	Abilify	5mg QAM	
	Risperdal	4mg QHS			
	Trazodone	50mg TID			
	Abilify	10mg QAM			
	Abilify	30mg QHS			
	Buspar	30mg BID			
	Lamictal	200mg BID			
	Monthly Cost	\$ 3,782.35			
Annual Cost	\$ 45,388.20	Annual Cost	\$ 15,336.36	\$ 30,051.84	
Peter	Risperdal	9mg BID	Risperdal	2mg BID	
	Depakote	500mg TID			
	Dilantin	500mg QAM			
	Cogentin	1mg BID			
	Monthly Cost	\$ 3,102.27			
Annual Cost	\$ 37,227.24	Annual Cost	\$ 13,201.20	\$ 24,026.04	
Total Annual Cost Savings					\$ 89,547.48

