

S2 Table. Errors under different privacy budgets.

Privacy budget	MRE			RMSE		
	0.5	1	2	0.5	1	2
Linear	0.1292	0.0662	0.0383	13.2004	6.7997	4.5037
Pchip	0.1383	0.0717	0.0416	14.4537	7.3646	4.8847
Spline	0.1635	0.0799	0.0466	18.0156	8.1994	5.3600