

**Table IV - RDRG vs MS-DRG in Pediatrics  
Accuracy Predicting Costs and LOS**

Group	Description	# Patients*	Charges				LOS			
			Avg Charge	RDRG R <sup>2</sup>	MS-DRG R <sup>2</sup>	Pct +/-	Avg LOS	RDRG R <sup>2</sup>	MS-DRG R <sup>2</sup>	Pct +/-
All		1,349,679	\$4,502	0.562958	0.439671	28.04%	3.604716	0.447863	0.407993	9.77%
MDC	0 Pre-MDC	2,169	\$126,332	0.221835	0.12347	79.67%	38.253573	0.184717	0.095056	94.32%
MDC	1 NERVOUS SYSTEM	39,145	\$9,023	0.364874	0.398318	-8.40%	3.893269	0.280795	0.295783	-5.07%
MDC	2 EYE	2,645	\$4,720	0.303456	0.242601	25.08%	2.897164	0.128545	0.081545	57.64%
MDC	3 EAR, NOSE, MOUTH & THROAT	27,338	\$4,317	0.384481	0.29772	29.14%	2.288719	0.17384	0.091942	89.08%
MDC	4 RESPIRATORY SYSTEM	108,847	\$5,153	0.506122	0.49623	1.99%	3.32825	0.292519	0.28299	3.37%
MDC	5 CIRCULATORY SYSTEM	15,244	\$25,539	0.457263	0.405311	12.82%	6.902453	0.433239	0.37614	15.18%
MDC	6 DIGESTIVE SYSTEM	59,737	\$6,298	0.429345	0.34529	24.34%	3.419405	0.394976	0.371309	6.37%
MDC	7 HEPATOBILIARY SYSTEM & PANCREAS	4,345	\$9,913	0.386936	0.340833	13.53%	4.880092	0.306713	0.285044	7.60%
MDC	8 MUSCULOSKELETAL SYSTEM & CONN TISS	30,758	\$10,517	0.578511	0.572961	0.97%	3.334872	0.347186	0.326927	6.20%
MDC	9 SKIN, SUBCUTANEOUS TISSUE & BREAST	18,834	\$3,982	0.201723	0.189558	6.42%	2.912764	0.118332	0.097445	21.43%
MDC	10 ENDOCRINE, NUTRITIONAL & METABOLIC	37,063	\$3,301	0.316684	0.233387	35.69%	2.556809	0.127881	0.094735	34.99%
MDC	11 KIDNEY & URINARY TRACT	18,713	\$6,215	0.555824	0.509266	9.14%	3.515203	0.245623	0.209716	17.12%
MDC	12 MALE REPRODUCTIVE SYSTEM	1,079	\$5,166	0.477935	0.299354	59.66%	2.404078	0.274455	0.204695	34.08%
MDC	13 FEMALE REPRODUCTIVE SYSTEM	3,212	\$5,043	0.306207	0.273378	12.01%	2.576899	0.14096	0.126782	11.18%
MDC	14 PREGNANCY, CHILDBIRTH & THE PUERPERIUM	33,171	\$3,169	0.30732	0.237189	29.57%	2.568991	0.217433	0.193086	12.61%
MDC	15 NEWBORNS & OTHER NEONATES	852,322	\$2,879	0.554059	0.32811	68.86%	3.466237	0.495668	0.436966	13.43%
MDC	16 BLOOD, BLOOD FORMING ORGANS, IMMUNOLOG	15,023	\$6,386	0.142885	0.129338	10.47%	3.741862	0.112664	0.097033	16.11%
MDC	17 MYELOPROLIFERATIVE, POORLY DIFF	12,504	\$12,393	0.321681	0.319831	0.58%	5.284869	0.305888	0.299185	2.24%
MDC	18 INFECTIOUS & PARASITIC	21,630	\$5,876	0.435165	0.43853	-0.77%	3.624503	0.34328	0.308988	11.10%
MDC	19 MENTAL DISEASES & DISORDERS	24,424	\$5,159	0.096795	0.067186	44.07%	7.574476	0.06641	0.05936	11.88%
MDC	20 ALCOHOL/DRUG	755	\$4,864	0.614579	0.604743	1.63%	6.415894	0.46412	0.450949	2.92%
MDC	21 INJURIES, POISONINGS & TOXIC	10,185	\$5,561	0.326159	0.312793	4.27%	2.738341	0.271811	0.250285	8.60%
MDC	22 BURNS	2,338	\$8,810	0.439975	0.352793	24.71%	4.69846	0.272612	0.206745	31.86%
MDC	23 FACTORS INFL HLTH STAT & OTHR	3,245	\$8,059	0.412467	0.377108	9.38%	6.61849	0.576083	0.552168	4.33%
MDC	24 MULTIPLE SIGNIFICANT TRAUMA	2,110	\$26,785	0.348987	0.276636	26.15%	8.82891	0.327425	0.237812	37.68%
MDC	25 HIV	201	\$12,865	0.146073	0.300843	-51.45%	6.517413	0.255542	0.325479	-21.49%
MDC	26 UNRELATED O.R. PROCEDURE	2,642	\$22,990	0.276685	0.26657	3.79%	10.371688	0.322041	0.339243	-5.07%

\* HCUP 2005 national discharge data