

**Table 1: Baseline characteristics of study cohort**

<b>Variables</b>	<b>Case group</b>			<b>Control group</b>			<b>p-value</b>
	<b>N</b>	<b>Median</b>	<b>IQR</b>	<b>N</b>	<b>Median</b>	<b>IQR</b>	
Age (years)	112	12.4	6.2	22	11.1	3.5	0.052
Male/Female	51	29/22	n/a	22	8/14	n/a	0.107 <sup>#</sup>
African American/Hispanic	51	41/10	n/a	22	14/8	n/a	0.127 <sup>#</sup>
Genotype (HbSS/HbSC/Other)	51	41/8/2	n/a	22	n/a	n/a	n/a
DLCO/VA	111	5.48	1.37	22	6.33	1.41	<0.001
FVC (%)	97	91	40.00	19	106.00	33.00	0.001
FEV1 (%)	96	88	22.00	19	99.00	25.00	0.011
FEV1/FVC	97	83.78	11.02	19	81.00	5.00	0.089
FEF <sub>25-75</sub> (%)	97	74	20.00	19	78.00	33.00	0.749
TLC (%)	111	86	9.00	22	97.50	22.00	0.002
VC (%)	111	88	16.50	22	101	26.00	0.002
RV/TLC	111	26	9.00	22	27	12.00	0.648

P-value from Mann-Whitney U tests between children with SCD and the control subjects for continuous variables, and <sup>#</sup>chi-square tests for binary/categorical variables. P-values <0.05 were considered significant. N= number of subjects, IQR= Interquartile Range.