

Supplemental Table A. Logistic Regression modeling for pulmonary exacerbations in mild CF lung disease using inhaled HS

	Wald	Odds Ratio (OR)	Confidence Intervals for OR		<i>p</i> value
			Lower	Upper	
Age	2.898	1.044	0.993	1.097	0.089
FEV₁^a	2.001	0.944	0.872	1.022	0.157
FVC^b	1.197	1.056	0.958	1.163	0.274
BMI^c	2.105	1.096	0.968	1.242	0.147
Gender	0.362	0.731	0.263	2.028	0.547
Inhaled HS^d use	8.139	0.173	0.052	0.577	0.004
Sputum positivity for Pseudomonas	4.569	3.305	1.104	9.892	0.033
Sputum positivity for MRSA^e	2.312	2.748	0.747	10.113	0.128

^a FEV1 = Forced Expiratory Volume in One Second

^b FVC = Forced Vital Capacity

^c BMI = Body Mass Index

^d HS = Hypertonic Saline

^e MRSA = Methicillin Resistant Staphylococcus Aureus

Supplemental Table B. Logistic Regression modeling for pulmonary exacerbations in moderate CF lung disease using inhaled HS

	Wald	Odds Ratio (OR)	Confidence Intervals for OR		<i>p</i> value
			Lower	Upper	
Age	0.378	1.012	0.974	1.052	0.538
FEV₁^a	23.369	0.892	0.851	0.934	< 0.001
FVC^b	5.709	1.073	1.013	1.136	0.017
BMI^c	1.644	1.088	0.956	1.237	0.2
Gender	4.385	0.41	0.178	0.945	0.036
Inhaled HS^d use	4.508	0.39	0.164	0.93	0.034
Sputum positivity for Pseudomonas	1.663	1.966	0.704	5.495	0.197
Sputum positivity for MRSA^e	1.027	1.86	0.56	6.176	0.311

^a FEV1 = Forced Expiratory Volume in One Second

^b FVC = Forced Vital Capacity

^c BMI = Body Mass Index

^d HS = Hypertonic Saline

^e MRSA = Methicillin Resistant Staphylococcus Aureus

Supplemental Table C. Logistic Regression modeling for pulmonary exacerbations in severe CF lung disease using inhaled HS

	Wald	Odds Ratio (OR)	Confidence Intervals for OR		<i>p</i> value
			Lower	Upper	
Age	0.098	0.988	0.916	1.066	0.754
FEV₁^a	0.608	0.769	0.397	1.489	0.436
FVC^b	0.692	1.192	0.788	1.804	0.406
BMI^c	0.339	0.877	0.564	1.364	0.56
Gender	2.724	5.756	0.72	46.007	0.099
Inhaled HS^d use	5.911	0.017	0.001	0.452	0.015
Sputum positivity for Pseudomonas	4.620	53.471	1.42	2013.278	0.032
Sputum positivity for MRSA^e	5.081	0.051	0.004	0.677	0.024

^a FEV1 = Forced Expiratory Volume in One Second

^b FVC = Forced Vital Capacity

^c BMI = Body Mass Index

^d HS = Hypertonic Saline

^e MRSA = Methicillin Resistant Staphylococcus Aureus