

# Statistical Analyses for Part 1: Absolute Change From Baseline in BMI Through Week 8

Statistical analysis title	Statistical Analyses for Part 1: Absolute Change From Baseline in BMI Through Week 8				Analysis Type	Superiority			
Statistical analysis description	Estimated change from baseline per 56 days was obtained from a linear mixed model with dependent variable BMI, treatment, sequence, and period as fixed effects, and intercept, visit (days on study, including all visits through Week 8 in each period), and treatment by visit interaction as random effects, with adjustment for baseline ppFEV1 and age.								
Comparison groups or subject analysis sets	Part 1: Ivacaftor versus Part 1: Placebo								
Number of subjects in this analysis	38								
Analysis specification	Pre-Specified								
Statistical hypothesis test									
P-value	<0.0001				Comment	P-value for the treatment effect is from the slope of BMI (kg/m^2) versus time (days).			
Method [Required if P-value provided]	Linear Mixed Model								
Parameter Estimate									
Parameter type	LS mean difference (Standard Error)								
Point estimate	0.6624 (0.1653)								
Confidence interval	Level	95%	Sides	2-sided		Lower limit	0.3366	Upper limit	0.9881
Variability estimate (if applicable)	NA				Dispersion Value		NA		