

Week 5 Writing

Results: Approximately, 248 out of 319 newborns had lung function test results in follow-up. Firstly, in terms of Test one, the adjusted difference in mean between the coefficients of Treatment 2 and Treatment 1 is 0.23, with a 95% confidence interval ranges from 0.02 to 0.45. This indicates that Treatment 2 leads to better lung function at 11 to 14 years of age. Similarly, what can be clearly seen in this table is that the coefficient for Treatment 2 is also higher than that of Treatment 1 in all the other tests. All the tests show an effect in the same direction. Since 0 is not included in the 95% confidence intervals of Test 1, 2 and 4, the differences between the two treatments on those tests are statistically significant.

Conclusion: Based on the results above, we can conclude that Treatment 2 leads to better lung function at 11 to 14 years of age. And the effect is statistically significant for Test 1, 2 and 4.