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| Table 1: Application of the Times Method, Marker Method, Cox Model, and Sign Test to the Pseudo-AMP Trial Data Set. |
| Approach | n (%) of Cases in Analysis (N=64) | Target Parameter | Estimate of the Target Parameter (95% CI) | Two-Sided P-value | Conclusion |
| Times Method | 58 (91%) | (1/2)\*mu\_x0 | 27.98 (27.96, 28.01) | 0.018 | Reject |
| mu\_x1 | 32.17 (28.69, 35.65) |
| mu\_x1-(1/2)\*mu\_x0 | 4.19 (0.70, 7.67) |
|  Repeat for Sensitivity Analysis | 30 (47%) | (1/2)\*mu\_x0 | 32.27 (32.24, 32.30) | 0.001 | Reject |
| mu\_x1 | 39.83 (35.29, 44.37) |
| mu\_x1-(1/2)\*mu\_x0 | 7.56 (3.03, 12.10) |
| Marker Method | 60 (94%) | mu\_x0 | 3.40 (3.33, 3.47) | 0.047 | Reject |
| mu\_x1 | 3.17 (2.96, 3.39) |
| mu\_x0-mu\_x1 | 0.23 (0.003, 0.45) |
|  Repeat for Sensitivity Analysis | 31 (48%) | mu\_x0 | 3.16 (3.10, 3.23) | 0.004 | Reject |
| mu\_x1 | 2.73 (2.45, 3.02) |
| mu\_x0-mu\_x1 | 0.43 (0.14, 0.72) |
| Cox Model | 60 (94%) | Exp(beta) | 0.82 (0.66, 1.02) | 0.071 | Fail to Reject |
|  Repeat for Sensitivity Analysis | 31 (48%) | Exp(beta) | 0.61 (0.48, 0.77) | 0.002 | Reject |
| Sign Test | 55 (86%) | p\_hat | 0.64 (0.496, 0.76) | 0.058 | Fail to Reject |
|  Repeat for Sensitivity Analysis | 29 (45%) | p\_hat | 0.69 (0.49, 0.85) | 0.061 | Fail to Reject |

Times method: target parameter interpreted as difference in days

Marker method: target parameter interpreted as difference in log concentrations

Cox model: target parameter interpreted as hazard ratio per log increase of concentration

Sign test: target parameter interpreted as probability of ‘success’, with success defined as FP in second half of infusion interval