Period 1

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 0.047707 | 2.263069 | 2.310800 | 4.69E6 | 0.021091 | 0.020656 | 0.999990 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | 0.820016 | 1.520132 | -2.15939 | 3.799420 | 4.69E6 | 0.136662 | 1.491909 | 0 | 0.54 | 0.5896 |

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| Period 2 |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS2 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 0.815921 | 2.352533 | 3.168862 | 30122 | 0.347000 | 0.257659 | 0.999871 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | 2.176253 | 1.780130 | -1.31288 | 5.665383 | 30122 | -1.394748 | 4.805330 | 0 | 1.22 | 0.2215 |

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| Period 3 |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS3 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 1.516386 | 2.676291 | 4.193435 | 15272 | 0.566883 | 0.361874 | 0.999819 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | -0.351674 | 2.047788 | -4.36558 | 3.662234 | 15272 | -4.299913 | 4.639213 | 0 | -0.17 | 0.8636 |

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| Period 4 |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS4 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 2.998776 | 3.044198 | 6.044473 | 8113.5 | 0.985571 | 0.496491 | 0.999752 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | 2.558050 | 2.458551 | -2.26134 | 7.377440 | 8113.5 | -3.243799 | 8.408927 | 0 | 1.04 | 0.2982 |

Updated with means

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 0.047707 | 2.263069 | 2.310800 | 4.69E6 | 0.021091 | 0.020656 | 0.999990 |
| **Intercept** | 0.031673 | 1.508713 | 1.540402 | 4.72E6 | 0.021004 | 0.020573 | 0.999990 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | 0.820016 | 1.520132 | -2.15939 | 3.79942 | 4.69E6 | 0.136662 | 1.491909 | 0 | 0.54 | 0.5896 |
| **Intercept** | 65.115921 | 1.241129 | 62.68335 | 67.54849 | 4.72E6 | 64.561537 | 65.702925 | 0 | 52.47 | <.0001 |

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS2 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 0.815921 | 2.352533 | 3.168862 | 30122 | 0.347000 | 0.257659 | 0.999871 |
| **Intercept** | 0.689581 | 1.568355 | 2.258282 | 21417 | 0.439904 | 0.305574 | 0.999847 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | 2.176253 | 1.780130 | -1.31288 | 5.66538 | 30122 | -1.394748 | 4.805330 | 0 | 1.22 | 0.2215 |
| **Intercept** | 60.987667 | 1.502758 | 58.04215 | 63.93319 | 21417 | 58.435034 | 64.076399 | 0 | 40.58 | <.0001 |

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS3 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 1.516386 | 2.676291 | 4.193435 | 15272 | 0.566883 | 0.361874 | 0.999819 |
| **Intercept** | 1.421594 | 1.784194 | 3.206499 | 10160 | 0.797169 | 0.443679 | 0.999778 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | -0.351674 | 2.047788 | -4.36558 | 3.66223 | 15272 | -4.299913 | 4.639213 | 0 | -0.17 | 0.8636 |
| **Intercept** | 60.360523 | 1.790670 | 56.85046 | 63.87059 | 10160 | 56.306869 | 64.235626 | 0 | 33.71 | <.0001 |

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS4 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **exptx** | 2.998776 | 3.044198 | 6.044473 | 8113.5 | 0.985571 | 0.496491 | 0.999752 |
| **Intercept** | 3.641333 | 2.029465 | 5.672619 | 4846.5 | 1.795130 | 0.642382 | 0.999679 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **exptx** | 2.558050 | 2.458551 | -2.26134 | 7.37744 | 8113.5 | -3.243799 | 8.408927 | 0 | 1.04 | 0.2982 |
| **Intercept** | 54.292504 | 2.381726 | 49.62324 | 58.96177 | 4846.5 | 47.670010 | 60.405517 | 0 | 22.80 | <.0001 |

Used the estimate call instead:

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **control** | 0.031673 | 1.508713 | 1.540402 | 4.72E6 | 0.021004 | 0.020573 | 0.999990 |
| **treatment** | 0.016197 | 0.754356 | 0.770561 | 4.52E6 | 0.021482 | 0.021031 | 0.999989 |
| **difference** | 0.047707 | 2.263069 | 2.310800 | 4.69E6 | 0.021091 | 0.020656 | 0.999990 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **control** | 65.115921 | 1.241129 | 62.68335 | 67.54849 | 4.72E6 | 64.561537 | 65.702925 | 0 | 52.47 | <.0001 |
| **treatment** | 65.935937 | 0.877816 | 64.21545 | 67.65643 | 4.52E6 | 65.517716 | 66.328802 | 0 | 75.11 | <.0001 |
| **difference** | 0.820016 | 1.520132 | -2.15939 | 3.79942 | 4.69E6 | 0.136662 | 1.491909 | 0 | 0.54 | 0.5896 |

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS2 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **control** | 0.689581 | 1.568355 | 2.258282 | 21417 | 0.439904 | 0.305574 | 0.999847 |
| **treatment** | 0.241303 | 0.784178 | 1.025602 | 36075 | 0.307869 | 0.235440 | 0.999882 |
| **difference** | 0.815921 | 2.352533 | 3.168862 | 30122 | 0.347000 | 0.257659 | 0.999871 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **control** | 60.987667 | 1.502758 | 58.04215 | 63.93319 | 21417 | 58.435034 | 64.076399 | 0 | 40.58 | <.0001 |
| **treatment** | 63.163920 | 1.012720 | 61.17896 | 65.14888 | 36075 | 61.662153 | 64.912183 | 0 | 62.37 | <.0001 |
| **difference** | 2.176253 | 1.780130 | -1.31288 | 5.66538 | 30122 | -1.394748 | 4.805330 | 0 | 1.22 | 0.2215 |

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS3 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **control** | 1.421594 | 1.784194 | 3.206499 | 10160 | 0.797169 | 0.443679 | 0.999778 |
| **treatment** | 0.641286 | 0.892097 | 1.533704 | 11422 | 0.719212 | 0.418440 | 0.999791 |
| **difference** | 1.516386 | 2.676291 | 4.193435 | 15272 | 0.566883 | 0.361874 | 0.999819 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **control** | 60.360523 | 1.790670 | 56.85046 | 63.87059 | 10160 | 56.306869 | 64.235626 | 0 | 33.71 | <.0001 |
| **treatment** | 60.008849 | 1.238428 | 57.58132 | 62.43638 | 11422 | 57.351761 | 62.775664 | 0 | 48.46 | <.0001 |
| **difference** | -0.351674 | 2.047788 | -4.36558 | 3.66223 | 15272 | -4.299913 | 4.639213 | 0 | -0.17 | 0.8636 |

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| The SAS System |

The MIANALYZE Procedure

| **Model Information** | |
| --- | --- |
| **PARMS Data Set** | WORK.ESTS4 |
| **Number of Imputations** | 2000 |

| **Variance Information** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Variance** | | | **DF** | **Relative Increase in Variance** | **Fraction Missing Information** | **Relative Efficiency** |
| **Between** | **Within** | **Total** |
| **control** | 3.641333 | 2.029465 | 5.672619 | 4846.5 | 1.795130 | 0.642382 | 0.999679 |
| **treatment** | 1.573219 | 1.014733 | 2.588738 | 5407.3 | 1.551152 | 0.608165 | 0.999696 |
| **difference** | 2.998776 | 3.044198 | 6.044473 | 8113.5 | 0.985571 | 0.496491 | 0.999752 |

| **Parameter Estimates** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Std Error** | **95% Confidence Limits** | | **DF** | **Minimum** | **Maximum** | **Theta0** | **t for H0: Parameter=Theta0** | **Pr > |t|** |
| **control** | 54.292504 | 2.381726 | 49.62324 | 58.96177 | 4846.5 | 47.670010 | 60.405517 | 0 | 22.80 | <.0001 |
| **treatment** | 56.850554 | 1.608956 | 53.69635 | 60.00475 | 5407.3 | 52.545989 | 60.828394 | 0 | 35.33 | <.0001 |
| **difference** | 2.558050 | 2.458551 | -2.26134 | 7.37744 | 8113.5 | -3.243799 | 8.408927 | 0 | 1.04 | 0.2982 |