```
                              Animal
             Obs   TRTGRP      ID     Day0    Final

              1     NC        NC1     267     269
              2     NC        NC2     287     290
              3     NC        NC3     312     315
              4     NC        NC4     310     313
              5     NC        NC5     282     285
              6     NC        NC6     265     266
              7     DC        DC1     322     278
              8     DC        DC2     359     305
              9     DC        DC3     327     268
             10     DC        DC4     320     276
```

Obs	TRTGRP	STUDYID	DOMAIN	USUBJID	VSTPT	VSTEST	VISIT	VISITNUM	VSORRES
1	DC	PRECLINICAL01	VS	DC1	Day0	Body Weight	Day0	1	322
2	DC	PRECLINICAL01	VS	DC1	Final	Body Weight	Final	2	278
3	DC	PRECLINICAL01	VS	DC2	Day0	Body Weight	Day0	1	359
4	DC	PRECLINICAL01	VS	DC2	Final	Body Weight	Final	2	305
5	DC	PRECLINICAL01	VS	DC3	Day0	Body Weight	Day0	1	327
6	DC	PRECLINICAL01	VS	DC3	Final	Body Weight	Final	2	268
7	DC	PRECLINICAL01	VS	DC4	Day0	Body Weight	Day0	1	320
8	DC	PRECLINICAL01	VS	DC4	Final	Body Weight	Final	2	276
9	DC	PRECLINICAL01	VS	DC5	Day0	Body Weight	Day0	1	354
10	DC	PRECLINICAL01	VS	DC5	Final	Body Weight	Final	2	300
11	DC	PRECLINICAL01	VS	DC6	Day0	Body Weight	Day0	1	325
12	DC	PRECLINICAL01	VS	DC6	Final	Body Weight	Final	2	266
13	HECHD	PRECLINICAL01	VS	HHD1	Day0	Body Weight	Day0	1	321
14	HECHD	PRECLINICAL01	VS	HHD1	Final	Body Weight	Final	2	278
15	HECHD	PRECLINICAL01	VS	HHD2	Day0	Body Weight	Day0	1	299
16	HECHD	PRECLINICAL01	VS	HHD2	Final	Body Weight	Final	2	262
17	HECHD	PRECLINICAL01	VS	HHD3	Day0	Body Weight	Day0	1	339
18	HECHD	PRECLINICAL01	VS	HHD3	Final	Body Weight	Final	2	285
19	HECHD	PRECLINICAL01	VS	HHD4	Day0	Body Weight	Day0	1	335
20	HECHD	PRECLINICAL01	VS	HHD4	Final	Body Weight	Final	2	281

Obs	TRTGRP	STUDYID	USUBJID	AVISIT	PARAM	PARAMCD	ABLFL	BASE	AVISITN	AVAL	CHG	PCHG	baselineval
1	DC	PRECLINICAL01	DC1	Day0	Body Weight	BW	Y	322	1	322	0	0.0000	322
2	DC	PRECLINICAL01	DC1	Final	Body Weight	BW		322	2	278	-44	-13.6646	322
3	DC	PRECLINICAL01	DC2	Day0	Body Weight	BW	Y	359	1	359	0	0.0000	359
4	DC	PRECLINICAL01	DC2	Final	Body Weight	BW		359	2	305	-54	-15.0418	359
5	DC	PRECLINICAL01	DC3	Day0	Body Weight	BW	Y	327	1	327	0	0.0000	327
6	DC	PRECLINICAL01	DC3	Final	Body Weight	BW		327	2	268	-59	-18.0428	327
7	DC	PRECLINICAL01	DC4	Day0	Body Weight	BW	Y	320	1	320	0	0.0000	320
8	DC	PRECLINICAL01	DC4	Final	Body Weight	BW		320	2	276	-44	-13.7500	320
9	DC	PRECLINICAL01	DC5	Day0	Body Weight	BW	Y	354	1	354	0	0.0000	354
10	DC	PRECLINICAL01	DC5	Final	Body Weight	BW		354	2	300	-54	-15.2542	354
11	DC	PRECLINICAL01	DC6	Day0	Body Weight	BW	Y	325	1	325	0	0.0000	325
12	DC	PRECLINICAL01	DC6	Final	Body Weight	BW		325	2	266	-59	-18.1538	325
13	HECHD	PRECLINICAL01	HHD1	Day0	Body Weight	BW	Y	321	1	321	0	0.0000	321
14	HECHD	PRECLINICAL01	HHD1	Final	Body Weight	BW		321	2	278	-43	-13.3956	321
15	HECHD	PRECLINICAL01	HHD2	Day0	Body Weight	BW	Y	299	1	299	0	0.0000	299
16	HECHD	PRECLINICAL01	HHD2	Final	Body Weight	BW		299	2	262	-37	-12.3746	299
17	HECHD	PRECLINICAL01	HHD3	Day0	Body Weight	BW	Y	339	1	339	0	0.0000	339
18	HECHD	PRECLINICAL01	HHD3	Final	Body Weight	BW		339	2	285	-54	-15.9292	339
19	HECHD	PRECLINICAL01	HHD4	Day0	Body Weight	BW	Y	335	1	335	0	0.0000	335
20	HECHD	PRECLINICAL01	HHD4	Final	Body Weight	BW		335	2	281	-54	-16.1194	335

The MEANS Procedure

Analysis Variable : AVAL

TRTGRP	AVISIT	AVISITN	N Obs	N	Mean	Std Dev
DC	Day0	1	6	6	334.5000	17.2829
	Final	2	6	6	282.1667	16.4732
HECHD	Day0	1	6	6	316.5000	18.5014
	Final	2	6	6	271.8333	11.1967
HECLD	Day0	1	6	6	290.1667	21.7570
	Final	2	6	6	256.6667	7.0899
NC	Day0	1	6	6	287.1667	20.3117
	Final	2	6	6	289.6667	20.9539
STD	Day0	1	6	6	296.6667	6.7429
	Final	2	6	6	258.3333	10.9301

```
STDHECHD          Day0                    1     6     6        322.6667        14.6788

                  Final                   2     6     6        301.3333        17.3743

STDHECLD          Day0                    1     6     6        298.3333        21.1345

                  Final                   2     6     6        267.8333        15.5360
-------------------------------------------------------------------------------------
                       Mean Body Weight by Treatment Group and Visit                    25
                                                        Saturday, December 27, 2025 12:55:25 PM

              TRTGRP      AVISIT      AVISITN      MeanBW        SD      N

              DC          Day0          1        334.500      17.283     6
              DC          Final         2        282.167      16.473     6
              HECHD       Day0          1        316.500      18.501     6
              HECHD       Final         2        271.833      11.197     6
              HECLD       Day0          1        290.167      21.757     6
              HECLD       Final         2        256.667       7.090     6
              NC          Day0          1        287.167      20.312     6
              NC          Final         2        289.667      20.954     6
              STD         Day0          1        296.667       6.743     6
              STD         Final         2        258.333      10.930     6
              STDHECHD    Day0          1        322.667      14.679     6
              STDHECHD    Final         2        301.333      17.374     6
              STDHECLD    Day0          1        298.333      21.134     6
              STDHECLD    Final         2        267.833      15.536     6
                    Mean Body Weight by Treatment Group and Visit                        26
                                                        Saturday, December 27, 2025 12:55:25 PM


                          The MEANS Procedure

                        Analysis Variable : CHG

                      N
              TRTGRP    Obs     N          Mean       Std Dev
              ------------------------------------------------------------
              DC          6     6      -52.3333        6.8313

              HECHD       6     6      -44.6667        7.7115

              HECLD       6     6      -33.5000       14.9499

              NC          6     6        2.5000        0.8367

              STD         6     6      -38.3333       12.4043

              STDHECHD    6     6      -21.3333        6.3456

              STDHECLD    6     6      -30.5000        7.2595
              ------------------------------------------------------------
                 Change from Baseline Final Day by Treatment Group                        27
                                                        Saturday, December 27, 2025 12:55:25 PM

                     TRTGRP      MeanCHG      SDCHG      N

                     DC          -52.3333     6.8313     6
                     HECHD       -44.6667     7.7115     6
                     HECLD       -33.5000    14.9499     6
                     NC            2.5000     0.8367     6
                     STD         -38.3333    12.4043     6
                     STDHECHD    -21.3333     6.3456     6
                     STDHECLD    -30.5000     7.2595     6
                Table 1: Mean Body Weight by Treatment Group and Visit                     28
                                                        Saturday, December 27, 2025 12:55:25 PM

                                        Mean
                                        Body
                                       Weight
              Treatment Group  Visit      (g)     Std Dev    N
              DC               Day0    334.50      17.28      6
                               Final   282.17      16.47      6
              HECHD            Day0    316.50      18.50      6
                               Final   271.83      11.20      6
              HECLD            Day0    290.17      21.76      6
                               Final   256.67       7.09      6
              NC               Day0    287.17      20.31      6
                               Final   289.67      20.95      6
              STD              Day0    296.67       6.74      6
                               Final   258.33      10.93      6
              STDHECHD         Day0    322.67      14.68      6
                               Final   301.33      17.37      6
              STDHECLD         Day0    298.33      21.13      6
                               Final   267.83      15.54      6
                    Table 2: Change from Baseline (Final Visit)                            29
                                                        Saturday, December 27, 2025 12:55:25 PM

                                        Mean
                                       Change
              Treatment Group     (g)      Std Dev     N
              DC               -52.3333     6.8313      6
```

```
                        HECHD             -44.6667    7.7115   6
                        HECLD             -33.5000   14.9499   6
                        NC                  2.5000    0.8367   6
                        STD               -38.3333   12.4043   6
                        STDHECHD          -21.3333    6.3456   6
                        STDHECLD          -30.5000    7.2595   6
```

```
                 ANCOVA: Change from Baseline by Treatment Group                            30
    (Adjusted for Baseline Body Weight, NC as Reference) Saturday, December 27, 2025 12:55:25 PM
```

```
                              The GLM Procedure

                          Class Level Information

            Class         Levels    Values

            TRTGRP            7      DC HECHD HECLD STD STDHECHD STDHECLD NC


                    Number of Observations Read           42
                    Number of Observations Used           42
```

```
                 ANCOVA: Change from Baseline by Treatment Group                            31
    (Adjusted for Baseline Body Weight, NC as Reference) Saturday, December 27, 2025 12:55:25 PM
```

```
                              The GLM Procedure

                          Dependent Variable: CHG

                                       Sum of
        Source                 DF      Squares     Mean Square    F Value    Pr > F

        Model                   7   12398.24480     1771.17783      30.21    <.0001

        Error                  34    1993.58853       58.63496

        Corrected Total        41   14391.83333


                  R-Square     Coeff Var      Root MSE     CHG Mean

                  0.861478     -24.56903      7.657347     -31.16667


        Source                 DF      Type I SS     Mean Square    F Value    Pr > F

        BASE                    1    4247.836380    4247.836380      72.45    <.0001
        TRTGRP                  6    8150.408424    1358.401404      23.17    <.0001


        Source                 DF    Type III SS     Mean Square    F Value    Pr > F

        BASE                    1     892.244804     892.244804      15.22    0.0004
        TRTGRP                  6    8150.408424    1358.401404      23.17    <.0001


                                     Standard
   Parameter              Estimate      Error    t Value   Pr > |t|    95% Confidence Limits

   Intercept           83.65169958 B  21.03694677    3.98    0.0003    40.89948002 126.40391915
   BASE                -0.28259443     0.07244358   -3.90    0.0004    -0.42981749   -0.13537137
   TRTGRP   DC         -41.45719713 B  5.59490830   -7.41    <.0001   -52.82741880  -30.08697546
   TRTGRP   HECHD      -38.87723014 B  4.90516664   -7.93    <.0001   -48.84572812  -28.90873217
   TRTGRP   HECLD      -35.15221672 B  4.42630978   -7.94    <.0001   -44.14756046  -26.15687298
   TRTGRP   STD        -38.14868628 B  4.47421770   -8.53    <.0001   -47.24139064  -29.05598192
   TRTGRP   STDHECHD   -13.80123118 B  5.11457408   -2.70    0.0108   -24.19529628   -3.40716608
   TRTGRP   STDHECLD   -29.84436223 B  4.49437326   -6.64    <.0001   -38.97802761  -20.71069686
   TRTGRP   NC           0.00000000 B      .           .        .          .            .

NOTE: The X'X matrix has been found to be singular, and a generalized inverse was used to solve the normal equations.  Terms whose
      estimates are followed by the letter 'B' are not uniquely estimable.
```

```
                 ANCOVA: Change from Baseline by Treatment Group                            32
    (Adjusted for Baseline Body Weight, NC as Reference) Saturday, December 27, 2025 12:55:26 PM
```

```
                              The GLM Procedure
                            Least Squares Means
                  Adjustment for Multiple Comparisons: Tukey-Kramer

                                             LSMEAN
                    TRTGRP      CHG LSMEAN    Number

                    DC         -44.4408747       1
                    HECHD      -41.8609077       2
                    HECLD      -38.1358943       3
                    STD        -41.1323638       4
                    STDHECHD   -16.7849087       5
                    STDHECLD   -32.8280398       6
                    NC          -2.9836776       7


                     Least Squares Means for effect TRTGRP
                      Pr > |t| for H0: LSMean(i)=LSMean(j)

                           Dependent Variable: CHG
```

```
i/j          1          2          3          4          5          6          7

 1                   0.9975     0.9062     0.9950     <.0001     0.2923     <.0001
 2        0.9975                0.9860     1.0000     <.0001     0.4582     <.0001
 3        0.9062     0.9860                0.9932     0.0026     0.8931     <.0001
 4        0.9950     1.0000     0.9932                0.0003     0.5080     <.0001
 5        <.0001     <.0001     0.0026     0.0003                0.0281     0.1296
 6        0.2923     0.4582     0.8931     0.5080     0.0281                <.0001
 7        <.0001     <.0001     <.0001     <.0001     0.1296     <.0001
```

```
            TRTGRP       CHG LSMEAN      95% Confidence Limits

            DC           -44.440875    -52.008364   -36.873386
            HECHD        -41.860908    -48.379894   -35.341922
            HECLD        -38.135894    -44.932479   -31.339310
            STD          -41.132364    -47.650565   -34.614163
            STDHECHD     -16.784909    -23.565434   -10.004383
            STDHECLD     -32.828040    -39.295771   -26.360309
            NC            -2.983678     -9.949454     3.982099
```

              Least Squares Means for Effect TRTGRP

```
                       Difference        Simultaneous 95%
                        Between        Confidence Limits for
            i     j       Means         LSMean(i)-LSMean(j)

            1     2    -2.579967      -17.013119    11.853185
            1     3    -6.304980      -23.415864    10.805903
            1     4    -3.308511      -19.596517    12.979496
            1     5   -27.655966      -41.757347   -13.554585
            1     6   -11.612835      -27.704839     4.479169
            1     7   -41.457197      -58.976714   -23.937681
            2     3    -3.725013      -18.802380    11.352353
            2     4    -0.728544      -15.284818    13.827730
```

                        The GLM Procedure
                      Least Squares Means
             Adjustment for Multiple Comparisons: Tukey-Kramer

              Least Squares Means for Effect TRTGRP

```
                       Difference        Simultaneous 95%
                        Between        Confidence Limits for
            i     j       Means         LSMean(i)-LSMean(j)

            2     5   -25.075999      -38.990026   -11.161972
            2     6    -9.032868      -23.476762     5.411026
            2     7   -38.877230      -54.236936   -23.517524
            3     4     2.996470      -10.925363    16.918302
            3     5   -21.350986      -37.035260    -5.666711
            3     6    -5.307854      -19.274791     8.659082
            3     7   -35.152217      -49.012463   -21.291970
            4     5   -24.347455      -39.395024    -9.299887
            4     6    -8.304324      -22.153015     5.544367
            4     7   -38.148686      -52.158948   -24.138424
            5     6    16.043131        1.139691    30.946571
            5     7   -13.801231      -29.816662     2.214199
            6     7   -29.844362      -43.917738   -15.770987
```

                        The GLM Procedure

              Tukey's Studentized Range (HSD) Test for CHG

NOTE: This test controls the Type I experimentwise error rate, but it generally has a higher Type II error rate than REGWQ.

```
                Alpha                                   0.05
                Error Degrees of Freedom                  34
                Error Mean Square                    58.63496
                Critical Value of Studentized Range  4.42837
                Minimum Significant Difference         13.844
```

                        The MEANS Procedure

                      Analysis Variable : CHG

```
                    N
     TRTGRP       Obs      N        Mean        Std Dev       Minimum       Maximum
     ------------------------------------------------------------------------------
     DC            6       6    -52.3333333    6.8313005    -59.0000000    -44.0000000

     HECHD         6       6    -44.6666667    7.7114633    -54.0000000    -37.0000000
```

HECLD	6	6	-33.5000000	14.9499164	-47.0000000	-18.0000000
NC	6	6	2.5000000	0.8366600	1.0000000	3.0000000
STD	6	6	-38.3333333	12.4043003	-50.0000000	-23.0000000
STDHECHD	6	6	-21.3333333	6.3456022	-29.0000000	-15.0000000
STDHECLD	6	6	-30.5000000	7.2594766	-45.0000000	-26.0000000

Group		Interpretation	
DC	Max	HECHD	Second highest loss -44.67g - High dose effect
STD	Thi	STDHECLD	Moderate loss -30.50g - Combined low dose
HECLD	Mod	STDHECHD	Minimal loss -21.33g - Best combined treatment

HECLD	6	6	-33.5000000	14.9499164	-47.0000000	-18.0000000
NC	6	6	2.5000000	0.8366600	1.0000000	3.0000000
STD	6	6	-38.3333333	12.4043003	-50.0000000	-23.0000000
STDHECHD	6	6	-21.3333333	6.3456022	-29.0000000	-15.0000000
STDHECLD	6	6	-30.5000000	7.2594766	-45.0000000	-26.0000000