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name: <unnamed>
log: /Users/theresarossouw/Documents/Students/Masters/Brandon Kleynhans/Brandon data analysis 25 Feb 202
> 2.smcl
log type: smcl
opened on: 25 Feb 2022, 19:38:34

1 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

2 . import excel "/Users/theresarossouw/Documents/Students/Masters/Brandon Kleynhans/B Kleynhans MSc Subject Data
> Tracker_final_25 Feb 2022.xlsx", sheet("Data") firstrow
(256 vars, 21 obs)

3 .
end of do-file

4 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

5 . destring MWeight MCD4 MViralLoad HC_Z10, replace
MWeight: all characters numeric; replaced as double
(2 missing values generated)
MCD4: all characters numeric; replaced as int
(13 missing values generated)
MViralLoad: all characters numeric; replaced as byte
(15 missing values generated)
HC_Z10 already numeric; no replace

6 . destring Age, replace
Age already numeric; no replace

7 . destring Weight_diif1 Length_diff1 HC_diff1 MUAC_diff1, replace
Weight_diif1: all characters numeric; replaced as double
(2 missing values generated)
Length_diff1: all characters numeric; replaced as double
(2 missing values generated)
HC_diff1: all characters numeric; replaced as double
(3 missing values generated)
MUAC_diff1: all characters numeric; replaced as double
(5 missing values generated)

8 . destring Weight_diif3 Length_diff3 HC_diff3 MUAC_diff3, replace
Weight_diif3: all characters numeric; replaced as double
(2 missing values generated)
Length_diff3: all characters numeric; replaced as double
(2 missing values generated)
HC_diff3: all characters numeric; replaced as double
(2 missing values generated)
MUAC_diff3: all characters numeric; replaced as double
(5 missing values generated)

9 . destring Length_0, replace
Length_0: all characters numeric; replaced as byte
(4 missing values generated)

10 . destring Weight_diif0 Length_diff0 HC_diff0, replace
Weight_diif0: all characters numeric; replaced as double
(2 missing values generated)
Length_diff0: all characters numeric; replaced as double
(6 missing values generated)
HC_diff0: all characters numeric; replaced as double
(7 missing values generated)

11 .
12 . *Explore data
13 . tab MHIV

```

M HIV	Freq.	Percent	Cum.
0	10	47.62	47.62
1	11	52.38	100.00
Total	21	100.00	

```

14 . *Look at the distribution of the data
15 . swilk GestAge Age BMI MWeight MMUAC MCD4 Weight_0 Length_0 HC_0 MUAC_10 IL8_C0 IL10_C0 IL6_C0 TNFa_C0 IFNg_C0
    > IL2_C0 IL4_C0 GMCSF_C0

```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
GestAge	20	0.92774	1.710	1.082	0.13971
Age	21	0.90713	2.276	1.662	0.04822
BMI	17	0.94605	1.140	0.261	0.39715
MWeight	19	0.97631	0.541	-1.235	0.89159
MMUAC	21	0.98125	0.459	-1.572	0.94208
MCD4	8	0.96979	0.421	-1.261	0.89638
Weight_0	21	0.96783	0.788	-0.481	0.68468
Length_0	17	0.86223	2.911	2.130	0.01657
HC_0	18	0.94867	1.128	0.242	0.40447
MUAC_10	16	0.94237	1.168	0.308	0.37912
IL8_C0	21	0.63774	8.877	4.414	0.00001
IL10_C0	21	0.24899	18.403	5.888	0.00000
IL6_C0	21	0.25532	18.248	5.871	0.00000
TNFa_C0	21	0.28093	17.621	5.800	0.00000
IFNg_C0	21	0.66074	8.313	4.282	0.00001
IL2_C0	21	0.94519	1.343	0.596	0.27548
IL4_C0	21	0.38281	15.124	5.491	0.00000
GMCSF_C0	21	0.95198	1.177	0.329	0.37105

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16 .
    end of do-file

17 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

18 . summarize, detail

```

Subject No

no observations

Sex

no observations

Gest. Age

Percentiles		Smallest		
1%	38	38	Obs	20
5%	38	38		
10%	38	38		
25%	38	38		
		Largest	Mean	39
50%	39		Std. dev.	.9176629
75%	40		Variance	.8421053
90%	40		Skewness	.4192627
95%	40.5	40	Kurtosis	2.1875
99%	41	41		

M HIV

Percentiles		Smallest		
1%	0	0	Obs	21
5%	0	0		
10%	0	0		
25%	0	0		
		Largest	Mean	.5238095
50%	1		Std. dev.	.5117663
75%	1		Variance	.2619048
90%	1		Skewness	-.0953463
95%	1	1	Kurtosis	1.009091
99%	1	1		

Infant DOB

Percentiles		Smallest		
1%	21360	21360		
5%	21383	21383		
10%	21394	21394	Obs	21
25%	21431	21411	Sum of wgt.	21
50%	21595		Mean	21676.29
		Largest	Std. dev.	249.8038
75%	21882	21962		
90%	22034	22034	Variance	62401.91
95%	22096	22096	Skewness	.5463735
99%	22190	22190	Kurtosis	2.217973

M DOB

Percentiles		Smallest		
1%	6886	6886		
5%	6895	6895		
10%	7047	7047	Obs	21
25%	7641	7504	Sum of wgt.	21
50%	9327		Mean	9698.333
		Largest	Std. dev.	2287.244
75%	11850	12404		
90%	12613	12613	Variance	5231485
95%	13429	13429	Skewness	.3141778
99%	13553	13553	Kurtosis	1.65343

Age

Percentiles		Smallest		
1%	21.48219	21.48219		
5%	22.72055	22.72055		
10%	24.10411	24.10411	Obs	21
25%	26.71781	25.52329	Sum of wgt.	21
50%	34.09315		Mean	32.81626
		Largest	Std. dev.	6.511497
75%	38.58904	39.56164		
90%	39.71781	39.71781	Variance	42.3996
95%	39.80822	39.80822	Skewness	-.3236832
99%	41.48767	41.48767	Kurtosis	1.644318

M Weight

Percentiles		Smallest		
1%	45	45		
5%	45	49.3		
10%	49.3	56.4	Obs	19
25%	59	58	Sum of wgt.	19
50%	68		Mean	67.60526
		Largest	Std. dev.	11.09817
75%	77	79.1		
90%	81	79.8	Variance	123.1694
95%	86	81	Skewness	-.3070691
99%	86	86	Kurtosis	2.347083

M MUAC

Percentiles		Smallest		
1%	21.4	21.4		
5%	24	24		
10%	25.4	25.4	Obs	21
25%	26.1	26	Sum of wgt.	21
50%	28.5		Mean	28.07619
		Largest	Std. dev.	2.794442
75%	29.7	30		
90%	31	31	Variance	7.808905
95%	32	32	Skewness	-.2419161
99%	34	34	Kurtosis	3.397319

M CD4

Percentiles		Smallest		
1%	36	36		
5%	36	195		
10%	36	219	Obs	8
25%	207	271	Sum of wgt.	8
50%	319.5		Mean	357.125
		Largest	Std. dev.	218.2662
75%	541	368		
90%	686	512	Variance	47640.13
95%	686	570	Skewness	.1216572
99%	686	686	Kurtosis	1.875457

M Viral Load

Percentiles		Smallest		
1%	40	40		
5%	40	40		
10%	40	40	Obs	6
25%	40	40	Sum of wgt.	6
50%	40		Mean	40
		Largest	Std. dev.	0
75%	40	40		
90%	40	40	Variance	0
95%	40	40	Skewness	.
99%	40	40	Kurtosis	.

BMI

Percentiles		Smallest		
1%	21.34	21.34		
5%	21.34	21.6		
10%	21.6	22.95	Obs	17
25%	24.56	23.53	Sum of wgt.	17
50%	27.7		Mean	26.77765
		Largest	Std. dev.	3.130786
75%	28.79	29.62		
90%	29.75	29.71	Variance	9.801819
95%	32.37	29.75	Skewness	-.2986384
99%	32.37	32.37	Kurtosis	2.194697

Weight_0

Percentiles		Smallest		
1%	2.14	2.14		
5%	2.285	2.285		
10%	2.4	2.4	Obs	21
25%	2.76	2.57	Sum of wgt.	21
50%	2.99		Mean	2.979762
		Largest	Std. dev.	.4364816
75%	3.28	3.31		
90%	3.385	3.385	Variance	.1905162
95%	3.4	3.4	Skewness	.1338359
99%	4.05	4.05	Kurtosis	3.328053

Length_0

Percentiles		Smallest		
1%	34	34		
5%	34	44		
10%	44	45	Obs	17
25%	47	46	Sum of wgt.	17
50%	49		Mean	48
		Largest	Std. dev.	4.568917
75%	50	50		
90%	52	52	Variance	20.875

95%	56	52	Skewness	-1.475222
99%	56	56	Kurtosis	6.615852

HC_0

Percentiles		Smallest		
1%	29	29		
5%	29	32		
10%	32	32	Obs	18
25%	33	33	Sum of wgt.	18
50%	34		Mean	33.83333
		Largest	Std. dev.	1.757338
75%	35	35		
90%	36	35	Variance	3.088235
95%	37	36	Skewness	-.8773806
99%	37	37	Kurtosis	4.570068

W4L_0

Percentiles		Smallest		
1%	.0445833	.0445833		
5%	.0445833	.0507778		
10%	.0507778	.052449	Obs	17
25%	.0565217	.0545455	Sum of wgt.	17
50%	.0604082		Mean	.0606417
		Largest	Std. dev.	.0113728
75%	.0622917	.063617		
90%	.0656	.0636538	Variance	.0001293
95%	.0995588	.0656	Skewness	2.324607
99%	.0995588	.0995588	Kurtosis	9.435904

Weight_10

Percentiles		Smallest		
1%	4.34	4.34		
5%	4.34	4.63		
10%	4.63	4.64	Obs	19
25%	4.85	4.65	Sum of wgt.	19
50%	5.51		Mean	5.493684
		Largest	Std. dev.	.7298418
75%	5.86	5.93		
90%	6.5	6.4	Variance	.532669
95%	7.19	6.5	Skewness	.4430746
99%	7.19	7.19	Kurtosis	2.823896

Length_10

Percentiles		Smallest		
1%	54	54		
5%	54	54.6		
10%	54.6	55.7	Obs	19
25%	56.5	56	Sum of wgt.	19
50%	57		Mean	57.65263
		Largest	Std. dev.	2.084431
75%	59.1	60.3		
90%	61	60.5	Variance	4.344854
95%	61.4	61	Skewness	.2645535
99%	61.4	61.4	Kurtosis	2.28191

HC_10

Percentiles		Smallest		
1%	37.5	37.5		
5%	37.5	38.6		
10%	38.6	38.9	Obs	18
25%	39	39	Sum of wgt.	18
50%	39.45		Mean	39.82778
		Largest	Std. dev.	1.384284

75%	40.2	41		
90%	42	42	Variance	1.916242
95%	43	42	Skewness	.8187726
99%	43	43	Kurtosis	3.095017

MUAC_10

Percentiles		Smallest		
1%	12.2	12.2		
5%	12.2	12.4		
10%	12.4	12.6	Obs	16
25%	13	13	Sum of wgt.	16
50%	14.25		Mean	14.0375
		Largest	Std. dev.	1.234976
75%	15	15		
90%	15.6	15.6	Variance	1.525167
95%	16	15.6	Skewness	.0127006
99%	16	16	Kurtosis	1.682449

W4L_10

Percentiles		Smallest		
1%	.0783418	.0783418		
5%	.0783418	.0793515		
10%	.0793515	.0794872	Obs	19
25%	.0853873	.0819788	Sum of wgt.	19
50%	.0953566		Mean	.0951426
		Largest	Std. dev.	.0106947
75%	.1032143	.1042345		
90%	.107438	.1049558	Variance	.0001144
95%	.1178689	.107438	Skewness	.0217232
99%	.1178689	.1178689	Kurtosis	2.481832

W4A_10

Percentiles		Smallest		
1%	1.736	1.736		
5%	1.736	1.852		
10%	1.852	1.856	Obs	19
25%	1.94	1.86	Sum of wgt.	19
50%	2.204		Mean	2.197474
		Largest	Std. dev.	.2919367
75%	2.344	2.372		
90%	2.6	2.56	Variance	.085227
95%	2.876	2.6	Skewness	.4430746
99%	2.876	2.876	Kurtosis	2.823896

Weight_diif0

Percentiles		Smallest		
1%	1.71	1.71		
5%	1.71	1.74		
10%	1.74	1.77	Obs	19
25%	2.03	1.88	Sum of wgt.	19
50%	2.525		Mean	2.491842
		Largest	Std. dev.	.5441334
75%	2.87	3.14		
90%	3.3	3.2	Variance	.2960811
95%	3.53	3.3	Skewness	.2433272
99%	3.53	3.53	Kurtosis	2.140838

Length_diff0

Percentiles		Smallest		
1%	4	4		
5%	4	5.6		
10%	5.6	6.3	Obs	15
25%	7.7	7.7	Sum of wgt.	15

50%	8.3		Mean	9.633333
75%	11.8	Largest	Std. dev.	4.570662
90%	13.1	11.8		
95%	23.4	12.5	Variance	20.89095
99%	23.4	13.1	Skewness	1.840627
		23.4	Kurtosis	6.593362

HC_diff0

	Percentiles	Smallest		
1%	4	4		
5%	4	4		
10%	4	4.5	Obs	14
25%	4.5	4.5	Sum of wgt.	14
50%	5.2		Mean	5.785714
75%	6.6	Largest	Std. dev.	1.613814
90%	8.2	6.6		
95%	9	8	Variance	2.604396
99%	9	8.2	Skewness	.7800917
		9	Kurtosis	2.353856

Weight_6

	Percentiles	Smallest		
1%	6.13	6.13		
5%	6.14	6.14		
10%	6.6	6.6	Obs	21
25%	7.1	6.6	Sum of wgt.	21
50%	7.63		Mean	7.664095
75%	8.06	Largest	Std. dev.	.9945414
90%	8.71	8.32		
95%	8.92	8.71	Variance	.9891127
99%	10.46	8.92	Skewness	.7969544
		10.46	Kurtosis	4.244258

Length_6

	Percentiles	Smallest		
1%	60.6	60.6		
5%	61.2	61.2		
10%	61.3	61.3	Obs	21
25%	63.5	62.1	Sum of wgt.	21
50%	66.7		Mean	66.28095
75%	68.7	Largest	Std. dev.	3.284756
90%	70	69		
95%	70.1	70	Variance	10.78962
99%	72	70.1	Skewness	-.3293203
		72	Kurtosis	2.056095

HC_6

	Percentiles	Smallest		
1%	40.8	40.8		
5%	41	41		
10%	42	42	Obs	21
25%	42.3	42	Sum of wgt.	21
50%	43.1		Mean	43.29524
75%	44.1	Largest	Std. dev.	1.432647
90%	45.4	44.3		
95%	46	45.4	Variance	2.052476
99%	46.1	46	Skewness	.334182
		46.1	Kurtosis	2.646377

MUAC_6

	Percentiles	Smallest		
1%	13.5	13.5		
5%	13.5	13.5		
10%	14	14	Obs	21

25%	14	14	Sum of wgt.	21
50%	15		Mean	15.15714
		Largest	Std. dev.	1.264742
75%	16	16.4		
90%	16.4	16.4	Variance	1.599571
95%	16.5	16.5	Skewness	.8336629
99%	18.6	18.6	Kurtosis	3.571444

W4L_6

	Percentiles	Smallest		
1%	.0966929	.0966929		
5%	.0970588	.0970588		
10%	.1001634	.1001634	Obs	21
25%	.1104012	.1064468	Sum of wgt.	21
50%	.1149786		Mean	.1153968
		Largest	Std. dev.	.0113229
75%	.1212077	.1244286		
90%	.1272277	.1272277	Variance	.0001282
95%	.1292754	.1292754	Skewness	.519753
99%	.1452778	.1452778	Kurtosis	3.723657

W4A_6

	Percentiles	Smallest		
1%	1.021667	1.021667		
5%	1.023333	1.023333		
10%	1.1	1.1	Obs	21
25%	1.183333	1.1	Sum of wgt.	21
50%	1.271667		Mean	1.277349
		Largest	Std. dev.	.1657569
75%	1.343333	1.386667		
90%	1.451667	1.451667	Variance	.0274754
95%	1.486667	1.486667	Skewness	.7969544
99%	1.743333	1.743333	Kurtosis	4.244258

Weight_diff1

	Percentiles	Smallest		
1%	1.49	1.49		
5%	1.49	1.56		
10%	1.56	1.68	Obs	19
25%	1.77	1.76	Sum of wgt.	19
50%	2.07		Mean	2.224
		Largest	Std. dev.	.5256204
75%	2.67	2.72		
90%	3.13	2.93	Variance	.2762768
95%	3.27	3.13	Skewness	.5142093
99%	3.27	3.27	Kurtosis	2.247741

Length_diff1

	Percentiles	Smallest		
1%	4.9	4.9		
5%	4.9	5.1		
10%	5.1	5.6	Obs	19
25%	6.6	6.3	Sum of wgt.	19
50%	9.6		Mean	9.189474
		Largest	Std. dev.	2.565778
75%	11.4	11.5		
90%	12.6	11.6	Variance	6.583216
95%	12.7	12.6	Skewness	-.3639709
99%	12.7	12.7	Kurtosis	1.796415

HC_diff1

	Percentiles	Smallest		
1%	0	0		

5%	0	2		
10%	2	2.2	Obs	18
25%	3.3	2.9	Sum of wgt.	18
50%	3.95		Mean	3.688889
		Largest	Std. dev.	1.318149
75%	4.5	4.7		
90%	5.2	5	Variance	1.737516
95%	5.4	5.2	Skewness	-1.212779
99%	5.4	5.4	Kurtosis	4.48568

MUAC_diff1

	Percentiles	Smallest		
1%	-2	-2		
5%	-2	.5		
10%	.5	.6	Obs	16
25%	.7	.7	Sum of wgt.	16
50%	1		Mean	1.1875
		Largest	Std. dev.	1.196592
75%	2	2		
90%	2.4	2	Variance	1.431833
95%	3.6	2.4	Skewness	-.6274203
99%	3.6	3.6	Kurtosis	4.898186

Weight_12

	Percentiles	Smallest		
1%	7.33	7.33		
5%	7.51	7.51		
10%	8.01	8.01	Obs	21
25%	8.7	8.43	Sum of wgt.	21
50%	9.85		Mean	9.673095
		Largest	Std. dev.	1.380243
75%	10.2	10.94		
90%	11.24	11.24	Variance	1.905071
95%	11.9	11.9	Skewness	.3100829
99%	12.8	12.8	Kurtosis	2.811896

Length_12

	Percentiles	Smallest		
1%	68.8	68.8		
5%	69.9	69.9		
10%	71	71	Obs	21
25%	72.6	71.8	Sum of wgt.	21
50%	74.5		Mean	74.91429
		Largest	Std. dev.	3.450114
75%	77.2	77.5		
90%	77.5	77.5	Variance	11.90329
95%	79	79	Skewness	.3854389
99%	83.6	83.6	Kurtosis	3.204925

HC_12

	Percentiles	Smallest		
1%	42.8	42.8		
5%	43.2	43.2		
10%	45	45	Obs	21
25%	45.4	45	Sum of wgt.	21
50%	46		Mean	46.08095
		Largest	Std. dev.	1.45486
75%	47	47.2		
90%	48	48	Variance	2.116619
95%	48	48	Skewness	-.3381646
99%	49	49	Kurtosis	3.409698

MUAC_12

Percentiles		Smallest		
1%	13.6	13.6		
5%	13.9	13.9		
10%	14	14	Obs	21
25%	15	15	Sum of wgt.	21
50%	15.9		Mean	16.0619
		Largest	Std. dev.	1.398741
75%	17	17.8		
90%	18	18	Variance	1.956476
95%	18.1	18.1	Skewness	-.023906
99%	18.4	18.4	Kurtosis	2.109709

W4L_12

Percentiles		Smallest		
1%	.1009642	.1009642		
5%	.109157	.109157		
10%	.109726	.109726	Obs	21
25%	.1194986	.1177083	Sum of wgt.	21
50%	.1270672		Mean	.1289409
		Largest	Std. dev.	.0162043
75%	.1361868	.1450323		
90%	.1474394	.1474394	Variance	.0002626
95%	.1506329	.1506329	Skewness	.717131
99%	.1718121	.1718121	Kurtosis	3.626978

W4A_12

Percentiles		Smallest		
1%	.6108333	.6108333		
5%	.6258333	.6258333		
10%	.6675	.6675	Obs	21
25%	.725	.7025	Sum of wgt.	21
50%	.8208333		Mean	.8060913
		Largest	Std. dev.	.1150203
75%	.85	.9116667		
90%	.9366667	.9366667	Variance	.0132297
95%	.9916667	.9916667	Skewness	.3100829
99%	1.066667	1.066667	Kurtosis	2.811896

Weight_diif2

Percentiles		Smallest		
1%	.58	.58		
5%	.72	.72		
10%	.98	.98	Obs	21
25%	1.38	1.18	Sum of wgt.	21
50%	1.77		Mean	2.009
		Largest	Std. dev.	1.123917
75%	2.409	2.63		
90%	3.2	3.2	Variance	1.263189
95%	4.64	4.64	Skewness	1.292845
99%	4.88	4.88	Kurtosis	4.199855

Length_diff2

Percentiles		Smallest		
1%	4.6	4.6		
5%	5.1	5.1		
10%	5.2	5.2	Obs	21
25%	6.5	5.7	Sum of wgt.	21
50%	7.9		Mean	8.633333
		Largest	Std. dev.	3.194422
75%	9.3	11.7		
90%	13.6	13.6	Variance	10.20433
95%	14.8	14.8	Skewness	.9550699
99%	16.2	16.2	Kurtosis	3.110639

HC_diff2				
Percentiles		Smallest		
1%	1.2	1.2		
5%	1.8	1.8		
10%	1.8	1.8	Obs	21
25%	2	1.9	Sum of wgt.	21
50%	2.7		Mean	2.785714
		Largest	Std. dev.	.9870591
75%	3.4	3.8		
90%	4	4	Variance	.9742857
95%	4.5	4.5	Skewness	.5081593
99%	4.9	4.9	Kurtosis	2.369768

MUAC_diff2				
Percentiles		Smallest		
1%	-1.6	-1.6		
5%	-1.2	-1.2		
10%	-.6	-.6	Obs	21
25%	.2	-.4	Sum of wgt.	21
50%	1		Mean	.9047619
		Largest	Std. dev.	1.366556
75%	1.6	1.9		
90%	2.2	2.2	Variance	1.867476
95%	2.9	2.9	Skewness	.4634282
99%	4.4	4.4	Kurtosis	3.579384

Weight_diff3				
Percentiles		Smallest		
1%	2.26	2.26		
5%	2.26	2.54		
10%	2.54	2.68	Obs	19
25%	3.25	3.17	Sum of wgt.	19
50%	4.06		Mean	4.162368
		Largest	Std. dev.	1.286568
75%	4.71	4.98		
90%	5.87	5.15	Variance	1.655257
95%	7.81	5.87	Skewness	1.030684
99%	7.81	7.81	Kurtosis	4.58061

Length_diff3				
Percentiles		Smallest		
1%	12.7	12.7		
5%	12.7	14		
10%	14	14	Obs	19
25%	15.4	14.2	Sum of wgt.	19
50%	17.3		Mean	17.38947
		Largest	Std. dev.	2.718843
75%	19.6	20.4		
90%	21.5	20.5	Variance	7.392105
95%	22.2	21.5	Skewness	.0855228
99%	22.2	22.2	Kurtosis	2.052078

HC_diff3				
Percentiles		Smallest		
1%	4	4		
5%	4	4		
10%	4	4.2	Obs	19
25%	6	5.7	Sum of wgt.	19
50%	6.4		Mean	8.363158
		Largest	Std. dev.	8.459394
75%	8.1	8.2		
90%	9	8.3	Variance	71.56135
95%	42.8	9	Skewness	3.818402

99% 42.8 42.8 Kurtosis 16.11883

MUAC_diff3

	Percentiles	Smallest		
1%	-2.4	-2.4		
5%	-2.4	-.6		
10%	-.6	.9	Obs	16
25%	1	1	Sum of wgt.	16
50%	1.5		Mean	1.76875
		Largest	Std. dev.	1.736172
75%	3.2	3.4		
90%	3.6	3.4	Variance	3.014292
95%	4.6	3.6	Skewness	-.6165423
99%	4.6	4.6	Kurtosis	3.354452

HC_Z0

	Percentiles	Smallest		
1%	-4.12	-4.12		
5%	-4.12	-1.94		
10%	-1.94	-1.59	Obs	17
25%	-.74	-1.15	Sum of wgt.	17
50%	-.36		Mean	-.3335294
		Largest	Std. dev.	1.412953
75%	.42	.95		
90%	1.21	.95	Variance	1.996437
95%	2	1.21	Skewness	-.9031473
99%	2	2	Kurtosis	4.27598

W4A_Z0

	Percentiles	Smallest		
1%	-2.69	-2.69		
5%	-2.575	-2.46		
10%	-2.305	-2.15	Obs	20
25%	-1.39	-1.65	Sum of wgt.	20
50%	-.685		Mean	-.764
		Largest	Std. dev.	.9940423
75%	-.08	.11		
90%	.16	.15	Variance	.98812
95%	.76	.17	Skewness	-.1803882
99%	1.35	1.35	Kurtosis	2.810659

W4L_Z0

	Percentiles	Smallest		
1%	-4.22	-4.22		
5%	-4.22	-3.79		
10%	-3.79	-2.36	Obs	15
25%	-1.82	-1.82	Sum of wgt.	15
50%	-.84		Mean	-1.248667
		Largest	Std. dev.	1.389419
75%	-.24	-.24		
90%	.16	-.03	Variance	1.930484
95%	.81	.16	Skewness	-.8027795
99%	.81	.81	Kurtosis	3.01756

HC_Z10

	Percentiles	Smallest		
1%	.19	.19		
5%	.19	.46		
10%	.46	.8	Obs	18
25%	1.15	.8	Sum of wgt.	18
50%	1.47		Mean	1.867778
		Largest	Std. dev.	1.108218
75%	2.46	3.14		

90%	3.37	3.37	Variance	1.228148
95%	4.22	3.37	Skewness	.5113697
99%	4.22	4.22	Kurtosis	2.415416

MUAC_Z10

no observations

W4A_Z10

Percentiles		Smallest		
1%	-.48	-.48		
5%	-.48	-.45		
10%	-.45	-.4	Obs	19
25%	.1	-.13	Sum of wgt.	19
50%	1.21		Mean	1.073158
		Largest	Std. dev.	1.053639
75%	1.77	1.78		
90%	2.68	2.56	Variance	1.110156
95%	3.03	2.68	Skewness	.1212958
99%	3.03	3.03	Kurtosis	2.178348

W4L_Z10

Percentiles		Smallest		
1%	-2.66	-2.66		
5%	-2.66	-2.27		
10%	-2.27	-.78	Obs	19
25%	-.52	-.66	Sum of wgt.	19
50%	.67		Mean	.3657895
		Largest	Std. dev.	1.307858
75%	1.33	1.62		
90%	1.93	1.62	Variance	1.710492
95%	1.99	1.93	Skewness	-.8989566
99%	1.99	1.99	Kurtosis	3.11566

HC_Z6

Percentiles		Smallest		
1%	-1.1	-1.1		
5%	-1.08	-1.08		
10%	-.93	-.93	Obs	21
25%	-.28	-.85	Sum of wgt.	21
50%	.07		Mean	.422381
		Largest	Std. dev.	1.175338
75%	1.3	1.45		
90%	2.26	2.26	Variance	1.381419
95%	2.45	2.45	Skewness	.6090842
99%	2.91	2.91	Kurtosis	2.39309

MUAC_Z6

Percentiles		Smallest		
1%	-.7	-.7		
5%	-.25	-.25		
10%	-.22	-.22	Obs	21
25%	.19	-.22	Sum of wgt.	21
50%	1.01		Mean	.9442857
		Largest	Std. dev.	1.085028
75%	1.77	2.06		
90%	2.06	2.06	Variance	1.177286
95%	2.13	2.13	Skewness	.5766311
99%	3.67	3.67	Kurtosis	2.931038

W4A_Z6

Percentiles		Smallest
1%	-2.31	-2.31
5%	-1.67	-1.67

10%	-1.44	-1.44	Obs	21
25%	-.83	-1.27	Sum of wgt.	21
50%	.08		Mean	-.0133333
		Largest	Std. dev.	1.207213
75%	.75	.98		
90%	1.44	1.44	Variance	1.457363
95%	1.63	1.63	Skewness	.0944639
99%	2.56	2.56	Kurtosis	2.511563

W4L_Z6

Percentiles		Smallest		
1%	-1.81	-1.81		
5%	-1.45	-1.45		
10%	-.95	-.95	Obs	21
25%	-.17	-.61	Sum of wgt.	21
50%	.37		Mean	.2852381
		Largest	Std. dev.	1.048011
75%	.69	1.23		
90%	1.6	1.6	Variance	1.098326
95%	1.94	1.94	Skewness	.0990797
99%	2.57	2.57	Kurtosis	3.057858

HC_Z12

Percentiles		Smallest		
1%	-1.54	-1.54		
5%	-1.25	-1.25		
10%	-.83	-.83	Obs	21
25%	-.05	-.52	Sum of wgt.	21
50%	.37		Mean	.4680952
		Largest	Std. dev.	1.106669
75%	.88	1.51		
90%	1.55	1.55	Variance	1.224716
95%	2.29	2.29	Skewness	.3186469
99%	3.02	3.02	Kurtosis	3.016918

MUAC_Z12

Percentiles		Smallest		
1%	-.96	-.96		
5%	-.58	-.58		
10%	-.26	-.26	Obs	21
25%	.65	.31	Sum of wgt.	21
50%	1.24		Mean	1.28381
		Largest	Std. dev.	1.132883
75%	2.13	2.67		
90%	2.8	2.8	Variance	1.283425
95%	2.86	2.86	Skewness	-.2386266
99%	3.01	3.01	Kurtosis	2.246542

W4A_Z12

Percentiles		Smallest		
1%	-2.49	-2.49		
5%	-1.69	-1.69		
10%	-1.45	-1.45	Obs	21
25%	-.49	-1.07	Sum of wgt.	21
50%	.19		Mean	.2490476
		Largest	Std. dev.	1.292667
75%	1.04	1.41		
90%	1.61	1.61	Variance	1.670989
95%	1.94	1.94	Skewness	-.2115819
99%	2.82	2.82	Kurtosis	2.664479

W4L_Z12

Percentiles	Smallest
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1%	-2.58	-2.58		
5%	-1.56	-1.56		
10%	-1.09	-1.09	Obs	21
25%	-.53	-.79	Sum of wgt.	21
50%	.38		Mean	.342381
		Largest	Std. dev.	1.375151
75%	.84	1.73		
90%	1.8	1.8	Variance	1.891039
95%	2.09	2.09	Skewness	.2203053
99%	3.67	3.67	Kurtosis	3.449284

IL8_C0

Percentiles	Smallest		
1%	34	34	
5%	78.27	78.27	
10%	93.93	93.93	Obs 21
25%	405.53	125.82	Sum of wgt. 21
50%	1260.07		Mean 2448.125
		Largest	Std. dev. 3763.657
75%	2340.47	4268.76	
90%	6470.03	6470.03	Variance 1.42e+07
95%	6966.62	6966.62	Skewness 2.674956
99%	16404.72	16404.72	Kurtosis 10.16335

IL10_C0

Percentiles	Smallest		
1%	.37	.37	
5%	.47	.47	
10%	.81	.81	Obs 21
25%	1.37	1.13	Sum of wgt. 21
50%	2.8		Mean 25.74
		Largest	Std. dev. 105.3528
75%	3.2	3.25	
90%	5.13	5.13	Variance 11099.2
95%	12.2	12.2	Skewness 4.24467
99%	485.41	485.41	Kurtosis 19.02908

IL6_C0

Percentiles	Smallest		
1%	.43	.43	
5%	.62	.62	
10%	.74	.74	Obs 21
25%	1.52	.87	Sum of wgt. 21
50%	3.23		Mean 122.6543
		Largest	Std. dev. 503.9454
75%	16.59	47.41	
90%	61.53	61.53	Variance 253961
95%	76.72	76.72	Skewness 4.235429
99%	2319.98	2319.98	Kurtosis 18.97874

TNFa_C0

Percentiles	Smallest		
1%	2.5	2.5	
5%	4.95	4.95	
10%	5.36	5.36	Obs 21
25%	6.96	5.85	Sum of wgt. 21
50%	13.87		Mean 244.1876
		Largest	Std. dev. 911.1061
75%	24.36	115.11	
90%	243.77	243.77	Variance 830114.3
95%	339.14	339.14	Skewness 4.187644
99%	4202.69	4202.69	Kurtosis 18.71086

IFNg_C0

Percentiles		Smallest		
1%	.75	.75		
5%	1.27	1.27		
10%	1.62	1.62	Obs	21
25%	3.97	1.96	Sum of wgt.	21
50%	3.97		Mean	3.480476
		Largest	Std. dev.	1.053297
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.109435
95%	3.97	3.97	Skewness	-1.715123
99%	3.97	3.97	Kurtosis	4.169878

IL2_C0

Percentiles		Smallest		
1%	.26	.26		
5%	.32	.32		
10%	.36	.36	Obs	21
25%	.65	.41	Sum of wgt.	21
50%	1.16		Mean	1.717619
		Largest	Std. dev.	1.26745
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.606429
95%	3.24	3.24	Skewness	.2960058
99%	3.24	3.24	Kurtosis	1.299012

IL4_C0

Percentiles		Smallest		
1%	0	0		
5%	.28	.28		
10%	.77	.77	Obs	21
25%	2.6	2.6	Sum of wgt.	21
50%	4.27		Mean	76.98476
		Largest	Std. dev.	226.6666
75%	28.57	35.01		
90%	63.55	63.55	Variance	51377.74
95%	379.01	379.01	Skewness	3.555902
99%	1000.11	1000.11	Kurtosis	14.6168

GMCSF_C0

Percentiles		Smallest		
1%	.12	.12		
5%	.12	.12		
10%	.22	.22	Obs	21
25%	.32	.26	Sum of wgt.	21
50%	1.72		Mean	1.629048
		Largest	Std. dev.	1.345771
75%	3.28	3.28		
90%	3.28	3.28	Variance	1.811099
95%	3.28	3.28	Skewness	.1928618
99%	3.28	3.28	Kurtosis	1.332438

IL8_LPS0

Percentiles		Smallest		
1%	36.28	36.28		
5%	512.12	512.12		
10%	2593.54	2593.54	Obs	21
25%	5055.71	3817.94	Sum of wgt.	21
50%	11728.7		Mean	9937.799
		Largest	Std. dev.	5735.788
75%	15069.24	15293.7		
90%	15899.92	15899.92	Variance	3.29e+07
95%	17839.12	17839.12	Skewness	-.2513151
99%	18765.26	18765.26	Kurtosis	1.820643

IL10_LPS0

Percentiles		Smallest		
1%	1.13	1.13		
5%	1.91	1.91		
10%	2.57	2.57	Obs	21
25%	22.96	3.2	Sum of wgt.	21
50%	149.78		Mean	281.8295
		Largest	Std. dev.	347.3973
75%	417	799.66		
90%	809.46	809.46	Variance	120684.9
95%	903.3	903.3	Skewness	1.188047
99%	1128.25	1128.25	Kurtosis	3.101694

IL6_LPS0

Percentiles		Smallest		
1%	.62	.62		
5%	19.49	19.49		
10%	44.59	44.59	Obs	21
25%	104.41	49.72	Sum of wgt.	21
50%	410.92		Mean	1520.213
		Largest	Std. dev.	2333.986
75%	1088.94	3559.85		
90%	5512.81	5512.81	Variance	5447492
95%	6761.58	6761.58	Skewness	1.695443
99%	7677.9	7677.9	Kurtosis	4.430243

TNFa_LPS0

Percentiles		Smallest		
1%	7.21	7.21		
5%	19.2	19.2		
10%	24.7	24.7	Obs	21
25%	84.22	37.25	Sum of wgt.	21
50%	285.77		Mean	3552.926
		Largest	Std. dev.	12451.89
75%	1671.2	1842.64		
90%	1921.73	1921.73	Variance	1.55e+08
95%	6587.42	6587.42	Skewness	4.155031
99%	57514.82	57514.82	Kurtosis	18.52125

IFNg_LPS0

Percentiles		Smallest		
1%	0	0		
5%	.34	.34		
10%	.75	.75	Obs	21
25%	3.97	3.31	Sum of wgt.	21
50%	3.97		Mean	3.423333
		Largest	Std. dev.	1.293562
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.673303
95%	3.97	3.97	Skewness	-2.029997
99%	3.97	3.97	Kurtosis	5.256026

IL2_LPS0

Percentiles		Smallest		
1%	.02	.02		
5%	.19	.19		
10%	.46	.46	Obs	21
25%	.8	.6	Sum of wgt.	21
50%	1.19		Mean	1.831905
		Largest	Std. dev.	1.290549
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.665516

95%	3.24	3.24	Skewness	.1069208
99%	3.24	3.24	Kurtosis	1.228974

IL4_LPS0

Percentiles		Smallest		
1%	1.38	1.38		
5%	1.6	1.6		
10%	2.08	2.08	Obs	21
25%	3.76	2.6	Sum of wgt.	21
50%	11.32		Mean	79.17905
		Largest	Std. dev.	217.4562
75%	31.54	48.89		
90%	70.74	70.74	Variance	47287.2
95%	419.6	419.6	Skewness	3.385508
99%	943.58	943.58	Kurtosis	13.43307

GMCSF_LPS0

Percentiles		Smallest		
1%	.1	.1		
5%	.26	.26		
10%	.62	.62	Obs	21
25%	1.01	.95	Sum of wgt.	21
50%	2.63		Mean	2.828571
		Largest	Std. dev.	2.794123
75%	3.28	3.28		
90%	3.28	3.28	Variance	7.807123
95%	8.14	8.14	Skewness	2.316332
99%	12.51	12.51	Kurtosis	8.393512

IL8_poly0

Percentiles		Smallest		
1%	30.74	30.74		
5%	75.38	75.38		
10%	101.21	101.21	Obs	21
25%	379.47	168.51	Sum of wgt.	21
50%	1260.53		Mean	4302.411
		Largest	Std. dev.	6126.952
75%	5727.8	8612.4		
90%	15554.2	15554.2	Variance	3.75e+07
95%	18416.36	18416.36	Skewness	1.557679
99%	19245.13	19245.13	Kurtosis	4.043299

IL10_poly0

Percentiles		Smallest		
1%	.37	.37		
5%	.47	.47		
10%	.81	.81	Obs	21
25%	1.13	.95	Sum of wgt.	21
50%	3.2		Mean	108.0067
		Largest	Std. dev.	264.6789
75%	3.36	10.72		
90%	666.93	666.93	Variance	70054.92
95%	772.49	772.49	Skewness	2.063848
99%	777.35	777.35	Kurtosis	5.300365

IL6_poly0

Percentiles		Smallest		
1%	.48	.48		
5%	.59	.59		
10%	.89	.89	Obs	21
25%	1.73	1.29	Sum of wgt.	21
50%	3.23		Mean	719.799
		Largest	Std. dev.	2263.036

75%	48.47	88.83		
90%	797	797	Variance	5121333
95%	4376.45	4376.45	Skewness	3.357353
99%	9669.69	9669.69	Kurtosis	13.20975

TNFa_poly0

Percentiles		Smallest		
1%	3.32	3.32		
5%	4.06	4.06		
10%	4.74	4.74	Obs	21
25%	7.05	5.36	Sum of wgt.	21
50%	11.77		Mean	657.5467
		Largest	Std. dev.	2200.51
75%	256	380.86		
90%	737.88	737.88	Variance	4842242
95%	1886.94	1886.94	Skewness	4.005975
99%	10075.84	10075.84	Kurtosis	17.629

IFNg_poly0

Percentiles		Smallest		
1%	.54	.54		
5%	.75	.75		
10%	1.82	1.82	Obs	21
25%	3.97	1.96	Sum of wgt.	21
50%	3.97		Mean	3.359524
		Largest	Std. dev.	1.162104
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.350485
95%	3.97	3.97	Skewness	-1.491117
99%	3.97	3.97	Kurtosis	3.60058

IL2_poly0

Percentiles		Smallest		
1%	.06	.06		
5%	.12	.12		
10%	.13	.13	Obs	21
25%	.49	.17	Sum of wgt.	21
50%	1.55		Mean	1.742381
		Largest	Std. dev.	1.294098
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.674689
95%	3.24	3.24	Skewness	.1034744
99%	3.24	3.24	Kurtosis	1.391062

IL4_poly0

Percentiles		Smallest		
1%	0	0		
5%	.08	.08		
10%	.08	.08	Obs	21
25%	2.6	.28	Sum of wgt.	21
50%	11.87		Mean	94.8619
		Largest	Std. dev.	262.0252
75%	28.57	59.97		
90%	97.45	97.45	Variance	68657.18
95%	484.08	484.08	Skewness	3.430148
99%	1144.3	1144.3	Kurtosis	13.77435

GMCSF_poly0

Percentiles		Smallest		
1%	.22	.22		
5%	.26	.26		
10%	.26	.26	Obs	21
25%	.45	.26	Sum of wgt.	21

50%	1.65		Mean	5.3
75%	3.28	Largest	Std. dev.	12.21772
90%	5.96	3.75	Variance	149.2726
95%	19.16	5.96	Skewness	3.608032
99%	55.56	19.16	Kurtosis	15.13448
		55.56		

IL8_C10

	Percentiles	Smallest		
1%	3.21	3.21		
5%	3.21	15.46		
10%	15.46	19.87	Obs	15
25%	22.5	22.5	Sum of wgt.	15
50%	131.44		Mean	907.2213
75%	443.81	Largest	Std. dev.	2397.237
90%	1283.01	443.81	Variance	5746746
95%	9460.31	1032.82	Skewness	3.327152
99%	9460.31	1283.01	Kurtosis	12.41301
		9460.31		

IL10_C10

	Percentiles	Smallest		
1%	.08	.08		
5%	.08	.72		
10%	.72	.72	Obs	15
25%	2.34	2.34	Sum of wgt.	15
50%	3.36		Mean	18.43467
75%	23.9	Largest	Std. dev.	31.08318
90%	62.49	23.9	Variance	966.1641
95%	107.56	49.27	Skewness	1.921426
99%	107.56	62.49	Kurtosis	5.612376
		107.56		

IL6_C10

	Percentiles	Smallest		
1%	.22	.22		
5%	.22	.22		
10%	.22	.36	Obs	15
25%	.48	.48	Sum of wgt.	15
50%	4.41		Mean	267.79
75%	47.85	Largest	Std. dev.	733.3675
90%	559.05	47.85	Variance	537827.8
95%	2827.52	543.39	Skewness	3.112412
99%	2827.52	559.05	Kurtosis	11.37687
		2827.52		

TNFa_C10

	Percentiles	Smallest		
1%	2.71	2.71		
5%	2.71	3.36		
10%	3.36	5.77	Obs	15
25%	8.12	8.12	Sum of wgt.	15
50%	19.95		Mean	315.2813
75%	70.92	Largest	Std. dev.	756.1729
90%	1428.91	70.92	Variance	571797.5
95%	2707.3	339.19	Skewness	2.523657
99%	2707.3	1428.91	Kurtosis	8.044725
		2707.3		

IFNg_C10

	Percentiles	Smallest		
1%	.9	.9		
5%	.9	1.27		
10%	1.27	1.82	Obs	15

25%	3.97	3.97	Sum of wgt.	15
50%	3.97		Mean	11.718
		Largest	Std. dev.	32.21757
75%	3.97	3.97		
90%	3.97	3.97	Variance	1037.972
95%	128.11	3.97	Skewness	3.467362
99%	128.11	128.11	Kurtosis	13.04169

IL2_C10

Percentiles	Smallest			
1%	.04	.04		
5%	.04	.21		
10%	.21	.24	Obs	15
25%	.4	.4	Sum of wgt.	15
50%	1.13		Mean	3.342
		Largest	Std. dev.	6.920899
75%	3.24	3.24		
90%	3.24	3.24	Variance	47.89885
95%	27.92	3.24	Skewness	3.269356
99%	27.92	27.92	Kurtosis	12.19044

IL4_C10

Percentiles	Smallest			
1%	1.6	1.6		
5%	1.6	1.6		
10%	1.6	2.6	Obs	15
25%	2.6	2.6	Sum of wgt.	15
50%	12.03		Mean	51.86867
		Largest	Std. dev.	103.3253
75%	43.2	43.2		
90%	170.24	65.34	Variance	10676.12
95%	390.11	170.24	Skewness	2.639939
99%	390.11	390.11	Kurtosis	8.951292

GMCSF_C10

Percentiles	Smallest			
1%	.02	.02		
5%	.02	.32		
10%	.32	.32	Obs	15
25%	.44	.44	Sum of wgt.	15
50%	1.01		Mean	9.306667
		Largest	Std. dev.	29.82351
75%	3.28	3.28		
90%	4.47	3.28	Variance	889.4419
95%	116.98	4.47	Skewness	3.45974
99%	116.98	116.98	Kurtosis	13.00839

IL8_LPS10

Percentiles	Smallest			
1%	3.21	3.21		
5%	3.21	272.87		
10%	272.87	675.04	Obs	15
25%	861.26	861.26	Sum of wgt.	15
50%	4116.46		Mean	6330.243
		Largest	Std. dev.	5490.067
75%	13004.76	13004.76		
90%	13375.2	13078.32	Variance	3.01e+07
95%	15648.51	13375.2	Skewness	.3988767
99%	15648.51	15648.51	Kurtosis	1.654942

IL10_LPS10

Percentiles	Smallest			
1%	.47	.47		

5%	.47	1.37		
10%	1.37	9.41	Obs	15
25%	12.05	12.05	Sum of wgt.	15
50%	27.85		Mean	94.84733
		Largest	Std. dev.	116.5997
75%	157.96	157.96		
90%	289.26	272.46	Variance	13595.49
95%	333.05	289.26	Skewness	1.045456
99%	333.05	333.05	Kurtosis	2.501902

IL6_LPS10

	Percentiles	Smallest		
1%	.55	.55		
5%	.55	46.12		
10%	46.12	125.3	Obs	15
25%	258.25	258.25	Sum of wgt.	15
50%	728.43		Mean	3076.732
		Largest	Std. dev.	5803.151
75%	1512.43	1512.43		
90%	13853.76	5095.25	Variance	3.37e+07
95%	19700.61	13853.76	Skewness	2.140296
99%	19700.61	19700.61	Kurtosis	6.100688

TNFa_LPS10

	Percentiles	Smallest		
1%	.97	.97		
5%	.97	5.46		
10%	5.46	13.01	Obs	15
25%	47	47	Sum of wgt.	15
50%	352.7		Mean	2212.391
		Largest	Std. dev.	4331.319
75%	1743.79	1743.79		
90%	11721.21	4050.4	Variance	1.88e+07
95%	13356.43	11721.21	Skewness	1.964916
99%	13356.43	13356.43	Kurtosis	5.174146

IFNg_LPS10

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	.38	Obs	15
25%	.54	.54	Sum of wgt.	15
50%	1.27		Mean	12.54
		Largest	Std. dev.	41.26772
75%	3.97	3.97		
90%	3.97	3.97	Variance	1703.025
95%	161.61	3.97	Skewness	3.466041
99%	161.61	161.61	Kurtosis	13.03563

IL2_LPS10

	Percentiles	Smallest		
1%	.01	.01		
5%	.01	.19		
10%	.19	.64	Obs	15
25%	1.02	1.02	Sum of wgt.	15
50%	3.24		Mean	3.466667
		Largest	Std. dev.	5.299297
75%	3.24	3.24		
90%	3.24	3.24	Variance	28.08255
95%	22.09	3.24	Skewness	3.14339
99%	22.09	22.09	Kurtosis	11.71157

IL4_LPS10

Percentiles		Smallest		
1%	.28	.28		
5%	.28	2.6		
10%	2.6	2.8	Obs	15
25%	2.8	2.8	Sum of wgt.	15
50%	5.04		Mean	45.92067
		Largest	Std. dev.	82.35847
75%	47.58	47.58		
90%	164.47	52.87	Variance	6782.917
95%	301.54	164.47	Skewness	2.345191
99%	301.54	301.54	Kurtosis	7.476221

GMCSF_LPS10

Percentiles		Smallest		
1%	.1	.1		
5%	.1	.72		
10%	.72	.81	Obs	15
25%	1.01	1.01	Sum of wgt.	15
50%	3.28		Mean	9.822
		Largest	Std. dev.	26.94929
75%	4.26	4.26		
90%	8.1	7.54	Variance	726.2641
95%	106.87	8.1	Skewness	3.429883
99%	106.87	106.87	Kurtosis	12.87773

IL8_poly10

Percentiles		Smallest		
1%	14.61	14.61		
5%	14.61	15.73		
10%	15.73	21.77	Obs	15
25%	23.02	23.02	Sum of wgt.	15
50%	107.6		Mean	1392.507
		Largest	Std. dev.	3257.236
75%	533.22	533.22		
90%	8451.04	761.6	Variance	1.06e+07
95%	10257.2	8451.04	Skewness	2.187272
99%	10257.2	10257.2	Kurtosis	5.909207

IL10_poly10

Percentiles		Smallest		
1%	.01	.01		
5%	.01	.08		
10%	.08	.29	Obs	15
25%	1.92	1.92	Sum of wgt.	15
50%	6.14		Mean	14.126
		Largest	Std. dev.	30.16094
75%	11.7	11.7		
90%	21.92	18.14	Variance	909.6822
95%	120.56	21.92	Skewness	3.207283
99%	120.56	120.56	Kurtosis	11.88699

IL6_poly10

Percentiles		Smallest		
1%	.75	.75		
5%	.75	.89		
10%	.89	.99	Obs	15
25%	2.15	2.15	Sum of wgt.	15
50%	4.65		Mean	227.3467
		Largest	Std. dev.	788.2811
75%	28.01	28.01		
90%	208.39	46.6	Variance	621387.1
95%	3070.47	208.39	Skewness	3.448618
99%	3070.47	3070.47	Kurtosis	12.95656

TNFa_poly10

Percentiles		Smallest		
1%	4.74	4.74		
5%	4.74	7.35		
10%	7.35	8.12	Obs	15
25%	12.52	12.52	Sum of wgt.	15
50%	20.97		Mean	257.572
		Largest	Std. dev.	747.1094
75%	114.66	114.66		
90%	378.64	193.02	Variance	558172.4
95%	2933.72	378.64	Skewness	3.37192
99%	2933.72	2933.72	Kurtosis	12.60782

IFNg_poly10

Percentiles		Smallest		
1%	0	0		
5%	0	.38		
10%	.38	.54	Obs	15
25%	.9	.9	Sum of wgt.	15
50%	3.97		Mean	11.434
		Largest	Std. dev.	32.70057
75%	3.97	3.97		
90%	10.57	3.97	Variance	1069.327
95%	129.27	10.57	Skewness	3.437685
99%	129.27	129.27	Kurtosis	12.91084

IL2_poly10

Percentiles		Smallest		
1%	.02	.02		
5%	.02	.02		
10%	.02	.27	Obs	15
25%	.49	.49	Sum of wgt.	15
50%	1		Mean	2.99
		Largest	Std. dev.	5.531559
75%	3.24	3.24		
90%	3.24	3.24	Variance	30.59814
95%	22.42	3.24	Skewness	3.148256
99%	22.42	22.42	Kurtosis	11.67763

IL4_poly10

Percentiles		Smallest		
1%	0	0		
5%	0	1.6		
10%	1.6	2.6	Obs	15
25%	4.92	4.92	Sum of wgt.	15
50%	14.44		Mean	46.47267
		Largest	Std. dev.	77.57929
75%	38.86	38.86		
90%	188.73	61.13	Variance	6018.546
95%	268.75	188.73	Skewness	2.102531
99%	268.75	268.75	Kurtosis	6.074668

GMCSF_poly10

Percentiles		Smallest		
1%	.44	.44		
5%	.44	.44		
10%	.44	.72	Obs	15
25%	.93	.93	Sum of wgt.	15
50%	2.46		Mean	9.094
		Largest	Std. dev.	26.63536
75%	3.28	3.28		
90%	5.04	3.28	Variance	709.4427
95%	105.25	5.04	Skewness	3.458826

99% **105.25** **105.25** Kurtosis **13.00471**

IL8_Cdiff1

	Percentiles	Smallest		
1%	-16401.51	-16401.51		
5%	-16401.51	-5933.8		
10%	-5933.8	-3088.94	Obs	15
25%	-2985.75	-2985.75	Sum of wgt.	15
50%	-870.81		Mean	-1741.192
		Largest	Std. dev.	5137.983
75%	-19.84	-19.84		
90%	374.87	365.54	Variance	2.64e+07
95%	8980.46	374.87	Skewness	-1.07075
99%	8980.46	8980.46	Kurtosis	6.564955

IL10_Cdiff1

	Percentiles	Smallest		
1%	-482.21	-482.21		
5%	-482.21	-8.84		
10%	-8.84	-2.48	Obs	15
25%	-.39	-.39	Sum of wgt.	15
50%	.35		Mean	-16.83
		Largest	Std. dev.	132.3773
75%	20.7	20.7		
90%	57.36	48.11	Variance	17523.74
95%	104.36	57.36	Skewness	-3.130599
99%	104.36	104.36	Kurtosis	11.75642

IL6_Cdiff1

	Percentiles	Smallest		
1%	-2316.75	-2316.75		
5%	-2316.75	-71.52		
10%	-71.52	-33.64	Obs	15
25%	-11.68	-11.68	Sum of wgt.	15
50%	-.39		Mean	98.37267
		Largest	Std. dev.	991.0298
75%	44.62	44.62		
90%	557.29	481.86	Variance	982140
95%	2824.29	557.29	Skewness	.4790141
99%	2824.29	2824.29	Kurtosis	7.085307

TNFa_Cdiff1

	Percentiles	Smallest		
1%	-4199.33	-4199.33		
5%	-4199.33	-172.85		
10%	-172.85	-65.53	Obs	15
25%	-26.47	-26.47	Sum of wgt.	15
50%	0		Mean	.2566667
		Largest	Std. dev.	1391.643
75%	20.96	20.96		
90%	1423.06	319.83	Variance	1936669
95%	2704.8	1423.06	Skewness	-1.409393
99%	2704.8	2704.8	Kurtosis	7.522277

IFNg_Cdiff1

	Percentiles	Smallest		
1%	-3.07	-3.07		
5%	-3.07	-2.15		
10%	-2.15	-.69	Obs	15
25%	0	0	Sum of wgt.	15
50%	0		Mean	8.253333
		Largest	Std. dev.	32.09294
75%	0	0		

90%	3.22	2.35	Variance	1029.957
95%	124.14	3.22	Skewness	3.461744
99%	124.14	124.14	Kurtosis	13.01726

IL2_Cdiff1

Percentiles	Smallest		
1%	-3		
5%	-3	-.4	
10%	-.4	-.39	Obs 15
25%	-.38	-.38	Sum of wgt. 15
50%	0		Mean 1.783333
		Largest	Std. dev. 7.208988
75%	.06	.06	
90%	2.88	.81	Variance 51.96951
95%	27.51	2.88	Skewness 3.323168
99%	27.51	27.51	Kurtosis 12.43218

IL4_Cdiff1

Percentiles	Smallest		
1%	-829.87	-829.87	
5%	-829.87	-313.67	
10%	-313.67	-60.75	Obs 15
25%	-20.94	-20.94	Sum of wgt. 15
50%	-1		Mean -51.75933
		Largest	Std. dev. 254.5467
75%	23.9	23.9	
90%	38.18	34.53	Variance 64794.01
95%	390.11	38.18	Skewness -1.79407
99%	390.11	390.11	Kurtosis 7.466599

GMCSF_Cdiff1

Percentiles	Smallest		
1%	-1.73	-1.73	
5%	-1.73	-1.1	
10%	-1.1	-.77	Obs 15
25%	-.75	-.75	Sum of wgt. 15
50%	0		Mean 7.75
		Largest	Std. dev. 30.15609
75%	.92	.92	
90%	1.19	.99	Variance 909.3896
95%	116.72	1.19	Skewness 3.470224
99%	116.72	116.72	Kurtosis 13.05364

IL8_LPSdiff1

Percentiles	Smallest		
1%	-18492.39	-18492.39	
5%	-18492.39	-14432.44	
10%	-14432.44	-12363.33	Obs 15
25%	-11179.58	-11179.58	Sum of wgt. 15
50%	-5503.24		Mean -3458.516
		Largest	Std. dev. 10272.72
75%	1857.84	1857.84	
90%	12492.64	10484.78	Variance 1.06e+08
95%	15612.23	12492.64	Skewness .4990741
99%	15612.23	15612.23	Kurtosis 2.173251

IL10_LPSdiff1

Percentiles	Smallest		
1%	-1100.4	-1100.4	
5%	-1100.4	-537	
10%	-537	-293.45	Obs 15
25%	-201.88	-201.88	Sum of wgt. 15
50%	-35.04		Mean -122.474

		Largest	Std. dev.	343.421
75%	26.21	26.21		
90%	287.35	71.79	Variance	117938
95%	319.99	287.35	Skewness	-1.532594
99%	319.99	319.99	Kurtosis	5.580718

IL6_LPSdiff1

	Percentiles	Smallest		
1%	-7243.73	-7243.73		
5%	-7243.73	-5420.6		
10%	-5420.6	-711.81	Obs	15
25%	-406.36	-406.36	Sum of wgt.	15
50%	42.34		Mean	1738.385
		Largest	Std. dev.	6743.301
75%	1429.97	1429.97		
90%	13853.14	4517.61	Variance	4.55e+07
95%	19596.2	13853.14	Skewness	1.52882
99%	19596.2	19596.2	Kurtosis	4.906452

TNFa_LPSdiff1

	Percentiles	Smallest		
1%	-57509.36	-57509.36		
5%	-57509.36	-1542.11		
10%	-1542.11	-955.62	Obs	15
25%	-269.38	-269.38	Sum of wgt.	15
50%	99.75		Mean	-2038.178
		Largest	Std. dev.	15986.21
75%	336.78	336.78		
90%	11714	3764.63	Variance	2.56e+08
95%	13331.73	11714	Skewness	-2.971107
99%	13331.73	13331.73	Kurtosis	11.20375

IFNg_LPSdiff1

	Percentiles	Smallest		
1%	-3.97	-3.97		
5%	-3.97	-3.97		
10%	-3.97	-3.59	Obs	15
25%	-3.43	-3.43	Sum of wgt.	15
50%	-1.71		Mean	9.070667
		Largest	Std. dev.	42.02312
75%	0	0		
90%	.56	0	Variance	1765.943
95%	160.86	.56	Skewness	3.465284
99%	160.86	160.86	Kurtosis	13.03248

IL2_LPSdiff1

	Percentiles	Smallest		
1%	-.56	-.56		
5%	-.56	-.17		
10%	-.17	-.01	Obs	15
25%	0	0	Sum of wgt.	15
50%	0		Mean	1.719333
		Largest	Std. dev.	5.630516
75%	.56	.56		
90%	2.64	.88	Variance	31.70271
95%	21.9	2.64	Skewness	3.378637
99%	21.9	21.9	Kurtosis	12.63806

IL4_LPSdiff1

	Percentiles	Smallest		
1%	-779.11	-779.11		
5%	-779.11	-377.27		
10%	-377.27	-67.94	Obs	15
25%	-31.11	-31.11	Sum of wgt.	15

50%	-2.32		Mean	-59.938
		Largest	Std. dev.	237.8614
75%	34.15	34.15		
90%	50.79	46.2	Variance	56578.06
95%	289.31	50.79	Skewness	-1.960581
99%	289.31	289.31	Kurtosis	7.003488

GMCSF_LPSdiff1

Percentiles		Smallest		
1%	-8.04	-8.04		
5%	-8.04	-1.84		
10%	-1.84	-1.53	Obs	15
25%	-1.45	-1.45	Sum of wgt.	15
50%	.55		Mean	7.35
		Largest	Std. dev.	27.45294
75%	2.33	2.33		
90%	6.53	5.31	Variance	753.6637
95%	105.86	6.53	Skewness	3.386223
99%	105.86	105.86	Kurtosis	12.70084

IL8_polydiff1

Percentiles		Smallest		
1%	-19229.4	-19229.4		
5%	-19229.4	-15316.13		
10%	-15316.13	-8079.18	Obs	15
25%	-4376.9	-4376.9	Sum of wgt.	15
50%	-418.11		Mean	-2708.996
		Largest	Std. dev.	7017.935
75%	-5.23	-5.23		
90%	2125.23	730.86	Variance	4.93e+07
95%	9635.27	2125.23	Skewness	-.9716995
99%	9635.27	9635.27	Kurtosis	3.935321

IL10_polydiff1

Percentiles		Smallest		
1%	-769.06	-769.06		
5%	-769.06	-765.56		
10%	-765.56	-4.58	Obs	15
25%	-1.36	-1.36	Sum of wgt.	15
50%	0		Mean	-91.99133
		Largest	Std. dev.	275.8049
75%	8.57	8.57		
90%	18.72	10.32	Variance	76068.37
95%	117.36	18.72	Skewness	-2.101564
99%	117.36	117.36	Kurtosis	5.540606

IL6_polydiff1

Percentiles		Smallest		
1%	-9666.46	-9666.46		
5%	-9666.46	-792.86		
10%	-792.86	-57.84	Obs	15
25%	-35.99	-35.99	Sum of wgt.	15
50%	.51		Mean	-486.5193
		Largest	Std. dev.	2671.912
75%	13.6	13.6		
90%	119.56	43.37	Variance	7139115
95%	3067.24	119.56	Skewness	-2.818928
99%	3067.24	3067.24	Kurtosis	10.90429

TNFa_polydiff1

Percentiles		Smallest		
1%	-10054.87	-10054.87		
5%	-10054.87	-710.59		

10%	-710.59	-185.05	Obs	15
25%	-18.75	-18.75	Sum of wgt.	15
50%	5.11		Mean	-508.9207
		Largest	Std. dev.	2756.491
75%	90.19	90.19		
90%	165.52	90.29	Variance	7598244
95%	2928.36	165.52	Skewness	-2.920825
99%	2928.36	2928.36	Kurtosis	11.19383

IFNg_polydiff1

Percentiles		Smallest		
1%	-3.97	-3.97		
5%	-3.97	-3.59		
10%	-3.59	-1.71	Obs	15
25%	-1.33	-1.33	Sum of wgt.	15
50%	0		Mean	8.184667
		Largest	Std. dev.	32.49622
75%	0	0		
90%	6.6	3.22	Variance	1056.005
95%	125.3	6.6	Skewness	3.439063
99%	125.3	125.3	Kurtosis	12.91781

IL2_polydiff1

Percentiles		Smallest		
1%	-.86	-.86		
5%	-.86	-.78		
10%	-.78	-.55	Obs	15
25%	-.48	-.48	Sum of wgt.	15
50%	0		Mean	1.339333
		Largest	Std. dev.	5.811545
75%	.06	.06		
90%	.88	.1	Variance	33.77405
95%	22.29	.88	Skewness	3.442133
99%	22.29	22.29	Kurtosis	12.93283

IL4_polydiff1

Percentiles		Smallest		
1%	-955.57	-955.57		
5%	-955.57	-452.11		
10%	-452.11	-45.53	Obs	15
25%	-23.69	-23.69	Sum of wgt.	15
50%	-5.79		Mean	-76.66867
		Largest	Std. dev.	280.68
75%	37.05	37.05		
90%	58.69	38.78	Variance	78781.29
95%	251.9	58.69	Skewness	-2.301591
99%	251.9	251.9	Kurtosis	7.757129

GMCSF_polydiff1

Percentiles		Smallest		
1%	-55.12	-55.12		
5%	-55.12	-2.84		
10%	-2.84	-2.68	Obs	15
25%	-.47	-.47	Sum of wgt.	15
50%	.2		Mean	3.654667
		Largest	Std. dev.	31.4746
75%	2.11	2.11		
90%	4.42	2.2	Variance	990.6503
95%	104.81	4.42	Skewness	1.970864
99%	104.81	104.81	Kurtosis	9.095817

IL8_C6

Percentiles		Smallest		
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1%	48.72	48.72		
5%	51.26	51.26		
10%	92.53	92.53	Obs	21
25%	122.39	92.89	Sum of wgt.	21
50%	383.77		Mean	3426.44
		Largest	Std. dev.	5485.1
75%	4737.01	11369.94		
90%	11905.25	11905.25	Variance	3.01e+07
95%	12077.63	12077.63	Skewness	1.460477
99%	18267.4	18267.4	Kurtosis	3.790866

IL10_C6

Percentiles		Smallest		
1%	.47	.47		
5%	.72	.72		
10%	2.02	2.02	Obs	21
25%	2.34	2.02	Sum of wgt.	21
50%	5.32		Mean	57.43333
		Largest	Std. dev.	135.3576
75%	11.21	126.41		
90%	177.96	177.96	Variance	18321.68
95%	249.92	249.92	Skewness	2.922194
99%	570.1	570.1	Kurtosis	11.07573

IL6_C6

Percentiles		Smallest		
1%	1	1		
5%	1.05	1.05		
10%	1.46	1.46	Obs	21
25%	3.83	3.3	Sum of wgt.	21
50%	24.64		Mean	1409.974
		Largest	Std. dev.	2924.226
75%	133.19	5747.16		
90%	7053.92	7053.92	Variance	8551098
95%	7498.66	7498.66	Skewness	1.66478
99%	8583.04	8583.04	Kurtosis	3.913209

TNFa_C6

Percentiles		Smallest		
1%	13.31	13.31		
5%	13.67	13.67		
10%	14.48	14.48	Obs	21
25%	15.88	14.68	Sum of wgt.	21
50%	36.89		Mean	1921.636
		Largest	Std. dev.	5258.601
75%	215.39	3096.34		
90%	3128.88	3128.88	Variance	2.77e+07
95%	10597.9	10597.9	Skewness	3.187718
99%	22329.78	22329.78	Kurtosis	12.31277

IFNg_C6

Percentiles		Smallest		
1%	.38	.38		
5%	.54	.54		
10%	.9	.9	Obs	21
25%	1.82	1.51	Sum of wgt.	21
50%	3.97		Mean	3.116667
		Largest	Std. dev.	1.780922
75%	3.97	3.97		
90%	4.16	4.16	Variance	3.171683
95%	4.9	4.9	Skewness	.7348224
99%	8.17	8.17	Kurtosis	4.212363

IL2_C6

Percentiles		Smallest		
1%	.12	.12		
5%	.14	.14		
10%	.18	.18	Obs	21
25%	.52	.39	Sum of wgt.	21
50%	1.47		Mean	1.777619
		Largest	Std. dev.	1.352693
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.829779
95%	3.24	3.24	Skewness	.0824156
99%	3.24	3.24	Kurtosis	1.19202

IL4_C6

Percentiles		Smallest		
1%	.28	.28		
5%	1.6	1.6		
10%	2.6	2.6	Obs	21
25%	14.07	4.27	Sum of wgt.	21
50%	82.53		Mean	319.4957
		Largest	Std. dev.	519.3977
75%	319.59	337.71		
90%	1376.77	1376.77	Variance	269774
95%	1401.79	1401.79	Skewness	1.903582
99%	1769.15	1769.15	Kurtosis	5.138523

GMCSF_C6

Percentiles		Smallest		
1%	.06	.06		
5%	.52	.52		
10%	.72	.72	Obs	21
25%	1.01	.83	Sum of wgt.	21
50%	3.28		Mean	5.44619
		Largest	Std. dev.	14.2904
75%	3.28	3.67		
90%	3.67	3.67	Variance	204.2155
95%	4.81	4.81	Skewness	4.186679
99%	67.54	67.54	Kurtosis	18.71956

IL8_LPS6

Percentiles		Smallest		
1%	882.22	882.22		
5%	1085.51	1085.51		
10%	1520.86	1520.86	Obs	21
25%	5673.55	1950.57	Sum of wgt.	21
50%	10648.46		Mean	95123.93
		Largest	Std. dev.	395081.6
75%	12447.65	12748.73		
90%	15727.71	15727.71	Variance	1.56e+11
95%	15901.93	15901.93	Skewness	4.247512
99%	1819277	1819277	Kurtosis	19.04455

IL10_LPS6

Percentiles		Smallest		
1%	5.77	5.77		
5%	6.75	6.75		
10%	8.61	8.61	Obs	21
25%	12.42	10.4	Sum of wgt.	21
50%	60.27		Mean	233.2571
		Largest	Std. dev.	547.694
75%	259.71	330.01		
90%	352.86	352.86	Variance	299968.7
95%	417.39	417.39	Skewness	3.861444
99%	2553.26	2553.26	Kurtosis	16.91769

IL6_LPS6

Percentiles		Smallest		
1%	109.29	109.29		
5%	113.79	113.79		
10%	162.85	162.85	Obs	21
25%	305.44	267.51	Sum of wgt.	21
50%	1077.28		Mean	50781.94
		Largest	Std. dev.	214684.4
75%	9848.67	10557.34		
90%	10834.09	10834.09	Variance	4.61e+10
95%	10940.76	10940.76	Skewness	4.245595
99%	987546	987546	Kurtosis	19.03422

TNFa_LPS6

Percentiles		Smallest		
1%	243.95	243.95		
5%	247.02	247.02		
10%	327.83	327.83	Obs	21
25%	542.25	361.67	Sum of wgt.	21
50%	1300.82		Mean	3903.261
		Largest	Std. dev.	4985.159
75%	5604.61	8763.55		
90%	11599.65	11599.65	Variance	2.49e+07
95%	13418.68	13418.68	Skewness	1.46267
99%	17478.93	17478.93	Kurtosis	4.053352

IFNg_LPS6

Percentiles		Smallest		
1%	.38	.38		
5%	.54	.54		
10%	.75	.75	Obs	21
25%	1.82	.9	Sum of wgt.	21
50%	3.97		Mean	4.431429
		Largest	Std. dev.	6.201617
75%	3.97	3.97		
90%	6.27	6.27	Variance	38.46005
95%	7.17	7.17	Skewness	3.698335
99%	30.38	30.38	Kurtosis	16.12906

IL2_LPS6

Percentiles		Smallest		
1%	.01	.01		
5%	.08	.08		
10%	.09	.09	Obs	21
25%	.65	.19	Sum of wgt.	21
50%	1.05		Mean	1.752857
		Largest	Std. dev.	1.375522
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.892061
95%	3.24	3.24	Skewness	.0788411
99%	3.24	3.24	Kurtosis	1.208919

IL4_LPS6

Percentiles		Smallest		
1%	2.6	2.6		
5%	2.6	2.6		
10%	3.29	3.29	Obs	21
25%	31.95	5.77	Sum of wgt.	21
50%	72.01		Mean	327.9943
		Largest	Std. dev.	500.6809
75%	333.09	562.65		
90%	1293.87	1293.87	Variance	250681.4

95%	1536.6	1536.6	Skewness	1.710315
99%	1548.95	1548.95	Kurtosis	4.446831

GMCSF_LPS6

Percentiles		Smallest		
1%	.72	.72		
5%	.95	.95		
10%	.95	.95	Obs	21
25%	1.55	1.01	Sum of wgt.	21
50%	3.28		Mean	4.608571
		Largest	Std. dev.	7.834127
75%	4.01	5.63		
90%	5.74	5.74	Variance	61.37355
95%	7.13	7.13	Skewness	3.911261
99%	37.94	37.94	Kurtosis	17.22016

IL8_poly6

Percentiles		Smallest		
1%	55.81	55.81		
5%	76.33	76.33		
10%	86.98	86.98	Obs	21
25%	168.04	103.43	Sum of wgt.	21
50%	680.19		Mean	4425.151
		Largest	Std. dev.	6192.551
75%	9118.38	12326.49		
90%	14078.09	14078.09	Variance	3.83e+07
95%	14635.77	14635.77	Skewness	1.139173
99%	19213.36	19213.36	Kurtosis	2.786018

IL10_poly6

Percentiles		Smallest		
1%	2.68	2.68		
5%	2.68	2.68		
10%	2.76	2.76	Obs	21
25%	3.05	2.91	Sum of wgt.	21
50%	7.29		Mean	194.8262
		Largest	Std. dev.	634.0159
75%	10.72	195.65		
90%	273.02	273.02	Variance	401976.1
95%	588.92	588.92	Skewness	3.942011
99%	2893.72	2893.72	Kurtosis	17.25327

IL6_poly6

Percentiles		Smallest		
1%	.96	.96		
5%	1.06	1.06		
10%	1.15	1.15	Obs	21
25%	5.3	2.96	Sum of wgt.	21
50%	50.35		Mean	2050.45
		Largest	Std. dev.	4235.539
75%	180.32	6877.61		
90%	10612.46	10612.46	Variance	1.79e+07
95%	11011.63	11011.63	Skewness	1.742362
99%	12836.83	12836.83	Kurtosis	4.267974

TNFa_poly6

Percentiles		Smallest		
1%	14.64	14.64		
5%	14.85	14.85		
10%	15.48	15.48	Obs	21
25%	18.44	17.16	Sum of wgt.	21
50%	67.49		Mean	2542.141
		Largest	Std. dev.	5850.662

75%	308.62	2443.58		
90%	11490.44	11490.44	Variance	3.42e+07
95%	15987.24	15987.24	Skewness	2.25076
99%	20601.05	20601.05	Kurtosis	6.54318

IFNg_poly6

Percentiles		Smallest		
1%	.54	.54		
5%	.54	.54		
10%	1.27	1.27	Obs	21
25%	1.51	1.51	Sum of wgt.	21
50%	3.97		Mean	3.699524
		Largest	Std. dev.	2.337254
75%	4.63	5.66		
90%	6.04	6.04	Variance	5.462755
95%	6.79	6.79	Skewness	.9617533
99%	10.39	10.39	Kurtosis	4.31027

IL2_poly6

Percentiles		Smallest		
1%	.04	.04		
5%	.16	.16		
10%	.31	.31	Obs	21
25%	.64	.35	Sum of wgt.	21
50%	1.19		Mean	1.890476
		Largest	Std. dev.	1.349772
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.821885
95%	3.24	3.24	Skewness	-.0407542
99%	3.24	3.24	Kurtosis	1.1698

IL4_poly6

Percentiles		Smallest		
1%	0	0		
5%	.28	.28		
10%	.28	.28	Obs	21
25%	16.85	1.38	Sum of wgt.	21
50%	78.95		Mean	329.4824
		Largest	Std. dev.	529.8252
75%	321.54	407.39		
90%	1429.12	1429.12	Variance	280714.7
95%	1472.43	1472.43	Skewness	1.831521
99%	1742.2	1742.2	Kurtosis	4.830899

GMCSF_poly6

Percentiles		Smallest		
1%	.62	.62		
5%	.93	.93		
10%	1.44	1.44	Obs	21
25%	1.82	1.51	Sum of wgt.	21
50%	3.28		Mean	10.3419
		Largest	Std. dev.	24.77237
75%	3.28	3.28		
90%	5.16	5.16	Variance	613.6701
95%	69.69	69.69	Skewness	2.906461
99%	97.52	97.52	Kurtosis	9.792191

IL8_Cdiff2

Percentiles		Smallest		
1%	-1160.62	-1160.62		
5%	-1160.62	-800.71		
10%	-800.71	-360.15	Obs	15
25%	-350.92	-350.92	Sum of wgt.	15

50%	163.72		Mean	1600.796
75%	744.73	Largest	Std. dev.	4789.359
90%	4347.75	744.73		
95%	18264.19	1909.63	Variance	2.29e+07
99%	18264.19	4347.75	Skewness	3.080097
		18264.19	Kurtosis	11.24485

IL10_Cdiff2

	Percentiles	Smallest		
1%	-60.4	-60.4		
5%	-60.4	-44.3		
10%	-44.3	-17.3	Obs	15
25%	-4.68	-4.68	Sum of wgt.	15
50%	.39		Mean	35.47867
75%	8.3	Largest	Std. dev.	128.6502
90%	174.76	8.3		
95%	462.54	9.02	Variance	16550.88
99%	462.54	174.76	Skewness	2.731031
		462.54	Kurtosis	9.439147

IL6_Cdiff2

	Percentiles	Smallest		
1%	-555.7	-555.7		
5%	-555.7	-529.87		
10%	-529.87	-9.94	Obs	15
25%	-3.91	-3.91	Sum of wgt.	15
50%	7.42		Mean	812.2893
75%	132.83	Largest	Std. dev.	2292.811
90%	5755.52	132.83		
95%	7050.69	200.42	Variance	5256983
99%	7050.69	5755.52	Skewness	2.168187
		7050.69	Kurtosis	5.877597

TNFa_Cdiff2

	Percentiles	Smallest		
1%	-1407.27	-1407.27		
5%	-1407.27	-324.51		
10%	-324.51	-56.44	Obs	15
25%	-35.91	-35.91	Sum of wgt.	15
50%	12.14		Mean	1441.781
75%	154.6	Largest	Std. dev.	5112.636
90%	3125.52	154.6		
95%	19622.48	446.06	Variance	2.61e+07
99%	19622.48	3125.52	Skewness	3.294849
		19622.48	Kurtosis	12.25179

IFNg_Cdiff2

	Percentiles	Smallest		
1%	-125.1	-125.1		
5%	-125.1	-3.59		
10%	-3.59	-2.15	Obs	15
25%	-1.71	-1.71	Sum of wgt.	15
50%	0		Mean	-8.924667
75%	0	Largest	Std. dev.	32.16226
90%	.92	0		
95%	.93	.19	Variance	1034.411
99%	.93	.92	Skewness	-3.465734
		.93	Kurtosis	13.03413

IL2_Cdiff2

	Percentiles	Smallest		
1%	-27.22	-27.22		
5%	-27.22	-.74		
10%	-.74	-.07	Obs	15

25%	-.06	-.06	Sum of wgt.	15
50%	0		Mean	-1.575333
		Largest	Std. dev.	7.142565
75%	.19	.19		
90%	.83	.2	Variance	51.01624
95%	3.03	.83	Skewness	-3.389714
99%	3.03	3.03	Kurtosis	12.73412

IL4_Cdiff2

	Percentiles	Smallest		
1%	-141.01	-141.01		
5%	-141.01	-52.51		
10%	-52.51	-1	Obs	15
25%	0	0	Sum of wgt.	15
50%	70.5		Mean	327.4687
		Largest	Std. dev.	568.2049
75%	335.11	335.11		
90%	1375.17	1011.68	Variance	322856.8
95%	1725.95	1375.17	Skewness	1.55736
99%	1725.95	1725.95	Kurtosis	3.944494

GMCSF_Cdiff2

	Percentiles	Smallest		
1%	-112.17	-112.17		
5%	-112.17	-.51		
10%	-.51	0	Obs	15
25%	0	0	Sum of wgt.	15
50%	.2		Mean	-2.419333
		Largest	Std. dev.	34.33815
75%	3.05	3.05		
90%	3.23	3.11	Variance	1179.108
95%	63.07	3.23	Skewness	-1.899735
99%	63.07	63.07	Kurtosis	8.999236

IL8_LPSdiff2

	Percentiles	Smallest		
1%	-12196.1	-12196.1		
5%	-12196.1	-6749.59		
10%	-6749.59	-5905.07	Obs	15
25%	-1241.56	-1241.56	Sum of wgt.	15
50%	1847.76		Mean	123036.3
		Largest	Std. dev.	469064.5
75%	8100.35	8100.35		
90%	15898.72	9275.01	Variance	2.20e+11
95%	1818416	15898.72	Skewness	3.473065
99%	1818416	1818416	Kurtosis	13.06574

IL10_LPSdiff2

	Percentiles	Smallest		
1%	-256.79	-256.79		
5%	-256.79	-196.63		
10%	-196.63	-149.4	Obs	15
25%	-120.71	-120.71	Sum of wgt.	15
50%	5.04		Mean	189.8747
		Largest	Std. dev.	662.8856
75%	286.56	286.56		
90%	388.06	325.01	Variance	439417.3
95%	2491.94	388.06	Skewness	3.034305
99%	2491.94	2491.94	Kurtosis	11.16875

IL6_LPSdiff2

	Percentiles	Smallest		
1%	-15371.35	-15371.35		

5%	-15371.35	-4484.73		
10%	-4484.73	-3296.42	Obs	15
25%	-1227.19	-1227.19	Sum of wgt.	15
50%	-148.96		Mean	745.3613
		Largest	Std. dev.	6632.808
75%	5888.05	5888.05		
90%	10005.81	9994.27	Variance	4.40e+07
95%	10940.21	10005.81	Skewness	-.4131031
99%	10940.21	10940.21	Kurtosis	3.743874

TNFa_LPSdiff2

	Percentiles	Smallest		
1%	-6936.35	-6936.35		
5%	-6936.35	-6116.6		
10%	-6116.6	-3277.03	Obs	15
25%	-442.97	-442.97	Sum of wgt.	15
50%	280.83		Mean	1277.789
		Largest	Std. dev.	5836.768
75%	2554.54	2554.54		
90%	8762.58	5079.27	Variance	3.41e+07
95%	17126.23	8762.58	Skewness	1.260337
99%	17126.23	17126.23	Kurtosis	4.907916

IFNg_LPSdiff2

	Percentiles	Smallest		
1%	-154.44	-154.44		
5%	-154.44	-1.73		
10%	-1.73	-1.15	Obs	15
25%	-.75	-.75	Sum of wgt.	15
50%	0		Mean	-9.401333
		Largest	Std. dev.	40.16715
75%	2.86	2.86		
90%	3.43	3.39	Variance	1613.4
95%	3.97	3.43	Skewness	-3.461381
99%	3.97	3.97	Kurtosis	13.01598

IL2_LPSdiff2

	Percentiles	Smallest		
1%	-21.44	-21.44		
5%	-21.44	-3.23		
10%	-3.23	-3.16	Obs	15
25%	-3.05	-3.05	Sum of wgt.	15
50%	0		Mean	-1.753333
		Largest	Std. dev.	5.768597
75%	.24	.24		
90%	3.05	.32	Variance	33.27671
95%	3.23	3.05	Skewness	-2.834566
99%	3.23	3.23	Kurtosis	10.46685

IL4_LPSdiff2

	Percentiles	Smallest		
1%	-98.24	-98.24		
5%	-98.24	-28.69		
10%	-28.69	-2.32	Obs	15
25%	0	0	Sum of wgt.	15
50%	45.13		Mean	326.536
		Largest	Std. dev.	540.6992
75%	441.33	441.33		
90%	1288.83	1247.41	Variance	292355.6
95%	1483.73	1288.83	Skewness	1.36181
99%	1483.73	1483.73	Kurtosis	3.111043

GMCSF_LPSdiff2

	Percentiles	Smallest		
1%	-101.13	-101.13		
5%	-101.13	-6.55		
10%	-6.55	-3.53	Obs	15
25%	-2.33	-2.33	Sum of wgt.	15
50%	0		Mean	-4.229333
75%	2.91	Largest	Std. dev.	28.60254
90%	5.53	2.91		
95%	36.93	5.38	Variance	818.1051
99%	36.93	5.53	Skewness	-2.646058
		36.93	Kurtosis	10.41221

IL8_polydiff2

	Percentiles	Smallest		
1%	-8283	-8283		
5%	-8283	-685.27		
10%	-685.27	-112.17	Obs	15
25%	-7.77	-7.77	Sum of wgt.	15
50%	290.86		Mean	2195.76
75%	1962.26	Largest	Std. dev.	6518.949
90%	14528.17	1962.26		
95%	19197.63	3534.06	Variance	4.25e+07
99%	19197.63	14528.17	Skewness	1.481025
		19197.63	Kurtosis	5.041082

IL10_polydiff2

	Percentiles	Smallest		
1%	-15.38	-15.38		
5%	-15.38	-14.33		
10%	-14.33	-9.02	Obs	15
25%	-4.04	-4.04	Sum of wgt.	15
50%	.86		Mean	235.172
75%	8.48	Largest	Std. dev.	746.4026
90%	468.36	8.48		
95%	2893.71	188.72	Variance	557116.8
99%	2893.71	468.36	Skewness	3.314609
		2893.71	Kurtosis	12.3274

IL6_polydiff2

	Percentiles	Smallest		
1%	-183.12	-183.12		
5%	-183.12	-26.95		
10%	-26.95	-7.18	Obs	15
25%	-4.68	-4.68	Sum of wgt.	15
50%	8.29		Mean	1701.75
75%	115.77	Largest	Std. dev.	3581.21
90%	7941.16	115.77		
95%	10611.71	6874.38	Variance	1.28e+07
99%	10611.71	7941.16	Skewness	1.658125
		10611.71	Kurtosis	4.017061

TNFa_polydiff2

	Percentiles	Smallest		
1%	-360.2	-360.2		
5%	-360.2	-97.5		
10%	-97.5	-69.33	Obs	15
25%	-55.47	-55.47	Sum of wgt.	15
50%	10.11		Mean	2412.858
75%	301.27	Largest	Std. dev.	6053.008
90%	13053.52	301.27		
95%	20583.64	2422.61	Variance	3.66e+07
99%	20583.64	13053.52	Skewness	2.345585
		20583.64	Kurtosis	6.969302

IFNg_polydiff2

Percentiles		Smallest		
1%	-122.48	-122.48		
5%	-122.48	-6.6		
10%	-6.6	-3.43	Obs	15
25%	-1.37	-1.37	Sum of wgt.	15
50%	0		Mean	-7.894667
		Largest	Std. dev.	31.83171
75%	2.07	2.07		
90%	3.43	3.07	Variance	1013.258
95%	5.66	3.43	Skewness	-3.4249
99%	5.66	5.66	Kurtosis	12.8583

IL2_polydiff2

Percentiles		Smallest		
1%	-22.38	-22.38		
5%	-22.38	-2.93		
10%	-2.93	-.95	Obs	15
25%	-.26	-.26	Sum of wgt.	15
50%	0		Mean	-1.087333
		Largest	Std. dev.	6.093652
75%	.37	.37		
90%	2.97	2.75	Variance	37.13259
95%	3.22	2.97	Skewness	-3.084489
99%	3.22	3.22	Kurtosis	11.45696

IL4_polydiff2

Percentiles		Smallest		
1%	-145.62	-145.62		
5%	-145.62	-16.71		
10%	-16.71	-2.32	Obs	15
25%	-1.6	-1.6	Sum of wgt.	15
50%	43.97		Mean	341.4373
		Largest	Std. dev.	591.6277
75%	393.98	393.98		
90%	1424.08	1203.68	Variance	350023.4
95%	1705.07	1424.08	Skewness	1.445682
99%	1705.07	1705.07	Kurtosis	3.455166

GMCSF_polydiff2

Percentiles		Smallest		
1%	-100.09	-100.09		
5%	-100.09	-.74		
10%	-.74	-.7	Obs	15
25%	-.62	-.62	Sum of wgt.	15
50%	0		Mean	4.305333
		Largest	Std. dev.	40.55135
75%	1.38	1.38		
90%	68.68	2.67	Variance	1644.412
95%	92.48	68.68	Skewness	-.2065917
99%	92.48	92.48	Kurtosis	5.558459

IL8_C12

Percentiles		Smallest		
1%	16.27	16.27		
5%	21.04	21.04		
10%	26.49	26.49	Obs	21
25%	41.74	27.09	Sum of wgt.	21
50%	129.26		Mean	321.5881
		Largest	Std. dev.	613.9152
75%	309.52	398.51		
90%	475.79	475.79	Variance	376891.9
95%	616.64	616.64	Skewness	3.728755

99% **2894.2** **2894.2** Kurtosis **16.21438**

IL10_C12

	Percentiles	Smallest		
1%	.37	.37		
5%	1.07	1.07		
10%	1.13	1.13	Obs	21
25%	1.75	1.44	Sum of wgt.	21
50%	2.91		Mean	3.91619
		Largest	Std. dev.	3.204418
75%	4.77	7.57		
90%	9.14	9.14	Variance	10.26829
95%	9.41	9.41	Skewness	1.268702
99%	12.38	12.38	Kurtosis	3.680907

IL6_C12

	Percentiles	Smallest		
1%	.94	.94		
5%	1.1	1.1		
10%	3.23	3.23	Obs	21
25%	5.25	3.32	Sum of wgt.	21
50%	10.44		Mean	24.41571
		Largest	Std. dev.	33.27703
75%	23.1	53.67		
90%	57.15	57.15	Variance	1107.36
95%	109.22	109.22	Skewness	1.917598
99%	116.93	116.93	Kurtosis	5.501757

TNFa_C12

	Percentiles	Smallest		
1%	10.67	10.67		
5%	12.48	12.48		
10%	13.01	13.01	Obs	21
25%	15.45	13.17	Sum of wgt.	21
50%	19.4		Mean	62.95667
		Largest	Std. dev.	155.099
75%	26.81	51.33		
90%	105.14	105.14	Variance	24055.69
95%	127.95	127.95	Skewness	3.999998
99%	726.77	726.77	Kurtosis	17.62449

IFNg_C12

	Percentiles	Smallest		
1%	0	0		
5%	.54	.54		
10%	.75	.75	Obs	21
25%	.9	.9	Sum of wgt.	21
50%	1.96		Mean	2.378571
		Largest	Std. dev.	2.15246
75%	3.03	3.97		
90%	4.16	4.16	Variance	4.633083
95%	4.95	4.95	Skewness	2.059857
99%	9.82	9.82	Kurtosis	7.823366

IL2_C12

	Percentiles	Smallest		
1%	.05	.05		
5%	.08	.08		
10%	.3	.3	Obs	21
25%	.55	.36	Sum of wgt.	21
50%	.97		Mean	1.62619
		Largest	Std. dev.	1.327172
75%	3.24	3.24		

90%	3.24	3.24	Variance	1.761385
95%	3.24	3.24	Skewness	.3509374
99%	3.24	3.24	Kurtosis	1.308232

IL4_C12

Percentiles		Smallest		
1%	2.8	2.8		
5%	7.23	7.23		
10%	9.55	9.55	Obs	21
25%	54.64	12.23	Sum of wgt.	21
50%	161.06		Mean	438.6176
		Largest	Std. dev.	708.1103
75%	442.85	729.36		
90%	991.76	991.76	Variance	501420.2
95%	2071.64	2071.64	Skewness	2.271212
99%	2716.56	2716.56	Kurtosis	7.17957

GMCSF_C12

Percentiles		Smallest		
1%	.12	.12		
5%	.44	.44		
10%	.72	.72	Obs	21
25%	.91	.72	Sum of wgt.	21
50%	1.75		Mean	2.479524
		Largest	Std. dev.	2.33945
75%	3.28	3.28		
90%	3.28	3.28	Variance	5.473025
95%	5.39	5.39	Skewness	2.16903
99%	10.74	10.74	Kurtosis	8.453678

IL8_LPS12

Percentiles		Smallest		
1%	63.61	63.61		
5%	355.26	355.26		
10%	499.82	499.82	Obs	21
25%	3098.53	924.04	Sum of wgt.	21
50%	8139.76		Mean	7423.412
		Largest	Std. dev.	5071.105
75%	11731.13	12220.46		
90%	13372.03	13372.03	Variance	2.57e+07
95%	13997.44	13997.44	Skewness	-.2029231
99%	14714.64	14714.64	Kurtosis	1.554487

IL10_LPS12

Percentiles		Smallest		
1%	7.55	7.55		
5%	9.54	9.54		
10%	10.72	10.72	Obs	21
25%	29.36	15.01	Sum of wgt.	21
50%	114.04		Mean	195.4638
		Largest	Std. dev.	410.8505
75%	160.76	189.12		
90%	217.24	217.24	Variance	168798.1
95%	481.39	481.39	Skewness	3.800367
99%	1924.64	1924.64	Kurtosis	16.5011

IL6_LPS12

Percentiles		Smallest		
1%	47.32	47.32		
5%	122.59	122.59		
10%	132.78	132.78	Obs	21
25%	427.24	200.13	Sum of wgt.	21
50%	1629.87		Mean	3650.489

		Largest	Std. dev.	4644.224
75%	4716.64	7051.65		
90%	12965.99	12965.99	Variance	2.16e+07
95%	13825.68	13825.68	Skewness	1.390589
99%	14170.23	14170.23	Kurtosis	3.590593

TNFa_LPS12

	Percentiles	Smallest		
1%	19.75	19.75		
5%	166.09	166.09		
10%	293.55	293.55	Obs	21
25%	512.16	326.34	Sum of wgt.	21
50%	1843.18		Mean	3905.612
		Largest	Std. dev.	4583.339
75%	5075.55	6036.65		
90%	12665.37	12665.37	Variance	2.10e+07
95%	14304.84	14304.84	Skewness	1.387568
99%	14467.91	14467.91	Kurtosis	3.733173

IFNg_LPS12

	Percentiles	Smallest		
1%	.54	.54		
5%	.9	.9		
10%	1.13	1.13	Obs	21
25%	1.88	1.51	Sum of wgt.	21
50%	2.98		Mean	3.929048
		Largest	Std. dev.	3.396966
75%	4.16	5.23		
90%	7.29	7.29	Variance	11.53938
95%	10.57	10.57	Skewness	1.899589
99%	14.74	14.74	Kurtosis	6.359836

IL2_LPS12

	Percentiles	Smallest		
1%	.01	.01		
5%	.06	.06		
10%	.17	.17	Obs	21
25%	.32	.29	Sum of wgt.	21
50%	.86		Mean	1.571429
		Largest	Std. dev.	1.376446
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.894603
95%	3.24	3.24	Skewness	.3445083
99%	3.24	3.24	Kurtosis	1.284795

IL4_LPS12

	Percentiles	Smallest		
1%	2.6	2.6		
5%	2.6	2.6		
10%	2.8	2.8	Obs	21
25%	38.86	10.41	Sum of wgt.	21
50%	141.73		Mean	439.0476
		Largest	Std. dev.	774.8102
75%	424.51	668.21		
90%	913.5	913.5	Variance	600330.8
95%	1997.55	1997.55	Skewness	2.58318
99%	3165.15	3165.15	Kurtosis	8.953532

GMCSF_LPS12

	Percentiles	Smallest		
1%	.12	.12		
5%	.45	.45		
10%	.72	.72	Obs	21
25%	1.41	.95	Sum of wgt.	21

50%	3		Mean	3.614286
		Largest	Std. dev.	3.985272
75%	4.05	5.11		
90%	7.05	7.05	Variance	15.8824
95%	7.29	7.29	Skewness	2.771325
99%	18.78	18.78	Kurtosis	11.17234

IL8_poly12

	Percentiles	Smallest		
1%	3.21	3.21		
5%	14.93	14.93		
10%	16.27	16.27	Obs	21
25%	38.72	25.23	Sum of wgt.	21
50%	165.05		Mean	1114.862
		Largest	Std. dev.	3083.738
75%	314.38	397.03		
90%	447.94	447.94	Variance	9509440
95%	7707.78	7707.78	Skewness	3.040986
99%	12488	12488	Kurtosis	10.82025

IL10_poly12

	Percentiles	Smallest		
1%	.72	.72		
5%	1.41	1.41		
10%	1.44	1.44	Obs	21
25%	2.24	1.44	Sum of wgt.	21
50%	3.2		Mean	48.34286
		Largest	Std. dev.	194.0348
75%	7.09	7.93		
90%	10.73	10.73	Variance	37649.5
95%	47.52	47.52	Skewness	4.230915
99%	894.09	894.09	Kurtosis	18.95254

IL6_poly12

	Percentiles	Smallest		
1%	.84	.84		
5%	.85	.85		
10%	.89	.89	Obs	21
25%	3.23	2.73	Sum of wgt.	21
50%	10.06		Mean	329.7714
		Largest	Std. dev.	989.0883
75%	35.45	57.07		
90%	111.69	111.69	Variance	978295.6
95%	2925.87	2925.87	Skewness	2.820819
99%	3642.67	3642.67	Kurtosis	9.109585

TNFa_poly12

	Percentiles	Smallest		
1%	.49	.49		
5%	3.36	3.36		
10%	11.67	11.67	Obs	21
25%	15.79	13.01	Sum of wgt.	21
50%	18.18		Mean	427.7467
		Largest	Std. dev.	1376.402
75%	28.39	54.37		
90%	61.04	61.04	Variance	1894483
95%	2706.97	2706.97	Skewness	3.364917
99%	5864.41	5864.41	Kurtosis	13.18168

IFNg_poly12

	Percentiles	Smallest		
1%	0	0		
5%	0	0		

10%	.54	.54	Obs	21
25%	1.82	.9	Sum of wgt.	21
50%	3.97		Mean	3.47
		Largest	Std. dev.	3.241814
75%	3.97	4.16		
90%	4.9	4.9	Variance	10.50936
95%	7.55	7.55	Skewness	2.260491
99%	15.12	15.12	Kurtosis	9.104566

IL2_poly12

Percentiles		Smallest		
1%	.04	.04		
5%	.14	.14		
10%	.22	.22	Obs	21
25%	.63	.22	Sum of wgt.	21
50%	1.06		Mean	1.67
		Largest	Std. dev.	1.330316
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.76974
95%	3.24	3.24	Skewness	.2373404
99%	3.24	3.24	Kurtosis	1.274254

IL4_poly12

Percentiles		Smallest		
1%	.28	.28		
5%	2.6	2.6		
10%	8.86	8.86	Obs	21
25%	32.7	16.85	Sum of wgt.	21
50%	156.38		Mean	473.4624
		Largest	Std. dev.	815.0181
75%	445.01	812.15		
90%	1106.3	1106.3	Variance	664254.5
95%	2236.47	2236.47	Skewness	2.382245
99%	3201.78	3201.78	Kurtosis	7.808897

GMCSF_poly12

Percentiles		Smallest		
1%	.26	.26		
5%	.32	.32		
10%	.32	.32	Obs	21
25%	1.14	.62	Sum of wgt.	21
50%	2.48		Mean	2.888095
		Largest	Std. dev.	3.438774
75%	3.28	3.28		
90%	3.28	3.28	Variance	11.82517
95%	6.34	6.34	Skewness	3.046243
99%	16.4	16.4	Kurtosis	12.64657

IL8_Cdiff3

Percentiles		Smallest		
1%	-18229.25	-18229.25		
5%	-11953.74	-11953.74		
10%	-11836.19	-11836.19	Obs	21
25%	-4120.37	-11140.02	Sum of wgt.	21
50%	-362.73		Mean	-3104.852
		Largest	Std. dev.	5636.661
75%	80.54	236.43		
90%	305.98	305.98	Variance	3.18e+07
95%	353.4	353.4	Skewness	-1.405444
99%	2801.31	2801.31	Kurtosis	3.724693

IL10_Cdiff3

Percentiles		Smallest		
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1%	-565.33	-565.33		
5%	-246.72	-246.72		
10%	-175.87	-175.87	Obs	21
25%	-5.77	-125.34	Sum of wgt.	21
50%	-1.21		Mean	-53.51714
		Largest	Std. dev.	135.4997
75%	1.28	1.37		
90%	2.25	2.25	Variance	18360.16
95%	5.55	5.55	Skewness	-2.90242
99%	5.78	5.78	Kurtosis	10.96425

IL6_Cdiff3

	Percentiles	Smallest		
1%	-8525.89	-8525.89		
5%	-7486.42	-7486.42		
10%	-7050.69	-7050.69	Obs	21
25%	-92.54	-5728.34	Sum of wgt.	21
50%	-6.92		Mean	-1385.558
		Largest	Std. dev.	2924.075
75%	.02	4.34		
90%	21.64	21.64	Variance	8550213
95%	39.92	39.92	Skewness	-1.662278
99%	52.62	52.62	Kurtosis	3.899808

TNFa_Cdiff3

	Percentiles	Smallest		
1%	-22309.83	-22309.83		
5%	-10574.2	-10574.2		
10%	-3106.27	-3106.27	Obs	21
25%	-199.68	-3083.17	Sum of wgt.	21
50%	-17.49		Mean	-1858.679
		Largest	Std. dev.	5276.81
75%	1.63	6.64		
90%	27.76	27.76	Variance	2.78e+07
95%	113.1	113.1	Skewness	-3.175071
99%	705.13	705.13	Kurtosis	12.25128

IFNg_Cdiff3

	Percentiles	Smallest		
1%	-6.9	-6.9		
5%	-3.43	-3.43		
10%	-3.26	-3.26	Obs	21
25%	-2.84	-3.07	Sum of wgt.	21
50%	-.75		Mean	-.7380952
		Largest	Std. dev.	2.783429
75%	.82	.98		
90%	2.01	2.01	Variance	7.747476
95%	2.13	2.13	Skewness	.4340927
99%	6.81	6.81	Kurtosis	4.387084

IL2_Cdiff3

	Percentiles	Smallest		
1%	-3.19	-3.19		
5%	-2.88	-2.88		
10%	-.89	-.89	Obs	21
25%	-.1	-.61	Sum of wgt.	21
50%	0		Mean	-.1514286
		Largest	Std. dev.	1.217375
75%	.08	.25		
90%	.45	.45	Variance	1.482003
95%	.61	.61	Skewness	-.3702273
99%	3.12	3.12	Kurtosis	6.121116

IL4_Cdiff3

Percentiles		Smallest		
1%	-1039.79	-1039.79		
5%	-170.62	-170.62		
10%	-145.52	-145.52	Obs	21
25%	-47.07	-133.98	Sum of wgt.	21
50%	10.63		Mean	119.1219
		Largest	Std. dev.	475.1306
75%	123.26	640.84		
90%	694.87	694.87	Variance	225749.1
95%	977.69	977.69	Skewness	.4930257
99%	1314.77	1314.77	Kurtosis	4.734285

GMCSF_Cdiff3

Percentiles		Smallest		
1%	-64.86	-64.86		
5%	-2.86	-2.86		
10%	-2.49	-2.49	Obs	21
25%	-.63	-2.14	Sum of wgt.	21
50%	0		Mean	-2.966667
		Largest	Std. dev.	14.30913
75%	0	1.72		
90%	1.91	1.91	Variance	204.7512
95%	3.22	3.22	Skewness	-4.12101
99%	5.93	5.93	Kurtosis	18.38931

IL8_LPSdiff3

Percentiles		Smallest		
1%	-1811648	-1811648		
5%	-11059.51	-11059.51		
10%	-9635.71	-9635.71	Obs	21
25%	-8379.43	-9312.82	Sum of wgt.	21
50%	-1375.88		Mean	-87700.52
		Largest	Std. dev.	395050.6
75%	-161.47	4473.11		
90%	5446.47	5446.47	Variance	1.56e+11
95%	9353.58	9353.58	Skewness	-4.246937
99%	11338.24	11338.24	Kurtosis	19.04146

IL10_LPSdiff3

Percentiles		Smallest		
1%	-2396.69	-2396.69		
5%	-402.38	-402.38		
10%	-210.71	-210.71	Obs	21
25%	-126.43	-192.1	Sum of wgt.	21
50%	16.94		Mean	-37.79333
		Largest	Std. dev.	668.2515
75%	84.3	174.43		
90%	179.99	179.99	Variance	446560.1
95%	405.56	405.56	Skewness	-1.438177
99%	1636.71	1636.71	Kurtosis	10.23791

IL6_LPSdiff3

Percentiles		Smallest		
1%	-987498.7	-987498.7		
5%	-7933.58	-7933.58		
10%	-7300.13	-7300.13	Obs	21
25%	-3782.44	-5880.57	Sum of wgt.	21
50%	317.95		Mean	-47131.45
		Largest	Std. dev.	215504
75%	2311.79	2449.33		
90%	2884.92	2884.92	Variance	4.64e+10
95%	5139.72	5139.72	Skewness	-4.245991
99%	9840.97	9840.97	Kurtosis	19.03638

TNFa_LPSdiff3

Percentiles		Smallest		
1%	-11442.28	-11442.28		
5%	-11433.56	-11433.56		
10%	-7904.94	-7904.94	Obs	21
25%	-248.7	-2663.88	Sum of wgt.	21
50%	207.82		Mean	2.350952
		Largest	Std. dev.	5068.856
75%	2616.1	3136.98		
90%	5541.29	5541.29	Variance	2.57e+07
95%	7060.76	7060.76	Skewness	-.9348083
99%	8047.83	8047.83	Kurtosis	3.66577

IFNg_LPSdiff3

Percentiles		Smallest		
1%	-26.22	-26.22		
5%	-3.43	-3.43		
10%	-2.84	-2.84	Obs	21
25%	-1.34	-2.01	Sum of wgt.	21
50%	0		Mean	-.502381
		Largest	Std. dev.	6.605891
75%	1.74	2.46		
90%	5.47	5.47	Variance	43.6378
95%	7.18	7.18	Skewness	-2.806567
99%	7.57	7.57	Kurtosis	12.3166

IL2_LPSdiff3

Percentiles		Smallest		
1%	-3.07	-3.07		
5%	-.96	-.96		
10%	-.36	-.36	Obs	21
25%	-.18	-.31	Sum of wgt.	21
50%	0		Mean	-.1814286
		Largest	Std. dev.	.7310491
75%	0	.18		
90%	.23	.23	Variance	.5344329
95%	.31	.31	Skewness	-3.094173
99%	.7	.7	Kurtosis	12.99724

IL4_LPSdiff3

Percentiles		Smallest		
1%	-868.39	-868.39		
5%	-406.36	-406.36		
10%	-228.63	-228.63	Obs	21
25%	-69.41	-118.95	Sum of wgt.	21
50%	3.46		Mean	111.0533
		Largest	Std. dev.	498.6063
75%	99.6	526.8		
90%	703.68	703.68	Variance	248608.3
95%	881.55	881.55	Skewness	1.236356
99%	1616.2	1616.2	Kurtosis	5.649186

GMCSF_LPSdiff3

Percentiles		Smallest		
1%	-30.65	-30.65		
5%	-4.42	-4.42		
10%	-4.13	-4.13	Obs	21
25%	-1.53	-3.11	Sum of wgt.	21
50%	0		Mean	-.9942857
		Largest	Std. dev.	7.667163
75%	1.17	2.33		
90%	2.94	2.94	Variance	58.7854

95%	3.04	3.04	Skewness	-2.635551
99%	13.04	13.04	Kurtosis	12.35531

IL8_polydiff3

Percentiles		Smallest		
1%	-19197.09	-19197.09		
5%	-14323.09	-14323.09		
10%	-13913.04	-13913.04	Obs	21
25%	-9082.51	-12258.62	Sum of wgt.	21
50%	-365.96		Mean	-3310.29
		Largest	Std. dev.	7533.306
75%	83.81	210.71		
90%	392.13	392.13	Variance	5.68e+07
95%	7591.57	7591.57	Skewness	-.2932146
99%	12401.02	12401.02	Kurtosis	2.915916

IL10_polydiff3

Percentiles		Smallest		
1%	-2882.99	-2882.99		
5%	-583.49	-583.49		
10%	-268.71	-268.71	Obs	21
25%	-7.2	-193.56	Sum of wgt.	21
50%	-2.87		Mean	-146.4833
		Largest	Std. dev.	674.8529
75%	.22	.91		
90%	4.31	4.31	Variance	455426.4
95%	39.93	39.93	Skewness	-3.236131
99%	890.5	890.5	Kurtosis	14.498

IL6_polydiff3

Percentiles		Smallest		
1%	-12798.77	-12798.77		
5%	-10954.56	-10954.56		
10%	-10500.77	-10500.77	Obs	21
25%	-175.24	-6874.38	Sum of wgt.	21
50%	-19.89		Mean	-1720.679
		Largest	Std. dev.	4481.264
75%	-.66	-.21		
90%	20.8	20.8	Variance	2.01e+07
95%	2855.63	2855.63	Skewness	-1.504826
99%	3639.71	3639.71	Kurtosis	3.952083

TNFa_polydiff3

Percentiles		Smallest		
1%	-20572.66	-20572.66		
5%	-15967.08	-15967.08		
10%	-11429.4	-11429.4	Obs	21
25%	-291.2	-2426.17	Sum of wgt.	21
50%	-47.3		Mean	-2114.394
		Largest	Std. dev.	6182.882
75%	-1.84	7.61		
90%	32.97	32.97	Variance	3.82e+07
95%	2691.49	2691.49	Skewness	-1.955266
99%	5849.77	5849.77	Kurtosis	5.936066

IFNg_polydiff3

Percentiles		Smallest		
1%	-6.42	-6.42		
5%	-6.04	-6.04		
10%	-3.07	-3.07	Obs	21
25%	-1.99	-2.7	Sum of wgt.	21
50%	0		Mean	-.2295238
		Largest	Std. dev.	3.216354

75%	1.42	2.46		
90%	2.7	2.7	Variance	10.34493
95%	3.39	3.39	Skewness	.3792828
99%	8.33	8.33	Kurtosis	4.13753

IL2_polydiff3

Percentiles		Smallest		
1%	-3.2	-3.2		
5%	-1.95	-1.95		
10%	-.51	-.51	Obs	21
25%	-.13	-.51	Sum of wgt.	21
50%	0		Mean	-.2204762
		Largest	Std. dev.	.9429182
75%	0	.04		
90%	.07	.07	Variance	.8890948
95%	.12	.12	Skewness	-1.255754
99%	2	2	Kurtosis	7.447265

IL4_polydiff3

Percentiles		Smallest		
1%	-930.05	-930.05		
5%	-218.26	-218.26		
10%	-210.78	-210.78	Obs	21
25%	-103.5	-137.55	Sum of wgt.	21
50%	-1.73		Mean	143.98
		Largest	Std. dev.	541.9088
75%	154.07	589.36		
90%	807.35	807.35	Variance	293665.1
95%	1089.45	1089.45	Skewness	1.22166
99%	1729.35	1729.35	Kurtosis	5.31686

GMCSF_polydiff3

Percentiles		Smallest		
1%	-95.59	-95.59		
5%	-63.35	-63.35		
10%	-2.96	-2.96	Obs	21
25%	-1.5	-2.56	Sum of wgt.	21
50%	-.3		Mean	-7.45381
		Largest	Std. dev.	24.63681
75%	0	0		
90%	.82	.82	Variance	606.9726
95%	2.38	2.38	Skewness	-2.899077
99%	11.24	11.24	Kurtosis	10.01436

IL8_Cdiff4

Percentiles		Smallest		
1%	-16366.57	-16366.57		
5%	-6950.35	-6950.35		
10%	-6102.96	-6102.96	Obs	21
25%	-2319.43	-3792.97	Sum of wgt.	21
50%	-804.71		Mean	-2126.537
		Largest	Std. dev.	3916.418
75%	-249.93	-66.84		
90%	95.26	95.26	Variance	1.53e+07
95%	272.69	272.69	Skewness	-2.45328
99%	2815.93	2815.93	Kurtosis	9.518681

IL10_Cdiff4

Percentiles		Smallest		
1%	-483.32	-483.32		
5%	-8.84	-8.84		
10%	-4.76	-4.76	Obs	21
25%	-1.45	-2.13	Sum of wgt.	21

50%	.79		Mean	-21.82381
75%	3.35	Largest	Std. dev.	105.8289
90%	6.46	6.2	Variance	11199.75
95%	9.04	6.46	Skewness	-4.236987
99%	9.18	9.04	Kurtosis	18.98806
	9.18	9.18		

IL6_Cdiff4

	Percentiles	Smallest		
1%	-2316.75	-2316.75		
5%	-73.4	-73.4		
10%	-51.91	-51.91	Obs	21
25%	-11.57	-46.31	Sum of wgt.	21
50%	7.37		Mean	-98.23857
75%	19.78	Largest	Std. dev.	510.2789
90%	53.92	51.82	Variance	260384.6
95%	105.99	53.92	Skewness	-4.194451
99%	116.06	105.99	Kurtosis	18.76267
	116.06	116.06		

TNFa_Cdiff4

	Percentiles	Smallest		
1%	-4180.08	-4180.08		
5%	-312.33	-312.33		
10%	-226.05	-226.05	Obs	21
25%	-11.06	-99.83	Sum of wgt.	21
50%	7.44		Mean	-181.231
75%	14.45	Largest	Std. dev.	935.0351
90%	80.78	34.32	Variance	874290.7
95%	122.59	80.78	Skewness	-3.952966
99%	720.92	122.59	Kurtosis	17.6102
	720.92	720.92		

IFNg_Cdiff4

	Percentiles	Smallest		
1%	-3.43	-3.43		
5%	-3.22	-3.22		
10%	-3.07	-3.07	Obs	21
25%	-2.84	-3.07	Sum of wgt.	21
50%	-1.62		Mean	-1.101905
75%	0	Largest	Std. dev.	2.233181
90%	.98	.19	Variance	4.987096
95%	2.64	.98	Skewness	1.599414
99%	5.85	2.64	Kurtosis	5.625305
	5.85	5.85		

IL2_Cdiff4

	Percentiles	Smallest		
1%	-3.16	-3.16		
5%	-.72	-.72		
10%	-.61	-.61	Obs	21
25%	-.21	-.25	Sum of wgt.	21
50%	0		Mean	-.0914286
75%	0	Largest	Std. dev.	.9488745
90%	.31	.2	Variance	.9003629
95%	.54	.31	Skewness	-.5924747
99%	2.58	.54	Kurtosis	9.067807
	2.58	2.58		

IL4_Cdiff4

	Percentiles	Smallest		
1%	-992.88	-992.88		
5%	-376.21	-376.21		
10%	-8.91	-8.91	Obs	21

25%	17.25	3.63	Sum of wgt.	21
50%	152.74		Mean	361.6329
		Largest	Std. dev.	784.3679
75%	442.08	724.34		
90%	989.16	989.16	Variance	615232.9
95%	2051.06	2051.06	Skewness	1.596656
99%	2716.56	2716.56	Kurtosis	5.940309

GMCSF_Cdiff4

Percentiles		Smallest		
1%	-2.14	-2.14		
5%	-1.32	-1.32		
10%	-1.03	-1.03	Obs	21
25%	0	-.91	Sum of wgt.	21
50%	0		Mean	.8504762
		Largest	Std. dev.	2.598779
75%	1.02	1.43		
90%	2.83	2.83	Variance	6.753655
95%	4.18	4.18	Skewness	2.574491
99%	10.48	10.48	Kurtosis	10.20797

IL8_LPSdiff4

Percentiles		Smallest		
1%	-14713.98	-14713.98		
5%	-12562.39	-12562.39		
10%	-12099.35	-12099.35	Obs	21
25%	-8120.74	-11797.93	Sum of wgt.	21
50%	-3754.33		Mean	-2514.386
		Largest	Std. dev.	8262.982
75%	3197.28	5290.23		
90%	9626.92	9626.92	Variance	6.83e+07
95%	11388.85	11388.85	Skewness	.3630783
99%	13335.75	13335.75	Kurtosis	2.101937

IL10_LPSdiff4

Percentiles		Smallest		
1%	-967.49	-967.49		
5%	-881.18	-881.18		
10%	-750.66	-750.66	Obs	21
25%	-291.97	-372.54	Sum of wgt.	21
50%	-139.06		Mean	-86.36571
		Largest	Std. dev.	565.3378
75%	121.46	131.07		
90%	166.16	166.16	Variance	319606.8
95%	173.2	173.2	Skewness	1.882395
99%	1922.07	1922.07	Kurtosis	8.991927

IL6_LPSdiff4

Percentiles		Smallest		
1%	-6216.3	-6216.3		
5%	-5171.5	-5171.5		
10%	-3359.72	-3359.72	Obs	21
25%	-237.37	-1108.62	Sum of wgt.	21
50%	149.13		Mean	2130.276
		Largest	Std. dev.	5638.396
75%	4433.75	6719.34		
90%	12965.37	12965.37	Variance	3.18e+07
95%	13522.37	13522.37	Skewness	.9542711
99%	14065.82	14065.82	Kurtosis	3.141803

TNFa_LPSdiff4

Percentiles		Smallest		
1%	-53873.78	-53873.78		

5%	-1651.45	-1651.45		
10%	-1348.6	-1348.6	Obs	21
25%	-334	-1073.68	Sum of wgt.	21
50%	1094.4		Mean	352.6862
		Largest	Std. dev.	13366.25
75%	3518.91	5863.57		
90%	12658.16	12658.16	Variance	1.79e+08
95%	14254.35	14254.35	Skewness	-3.256584
99%	14443.21	14443.21	Kurtosis	14.38879

IFNg_LPSdiff4

	Percentiles	Smallest		
1%	-3.43	-3.43		
5%	-3.07	-3.07		
10%	-2.84	-2.84	Obs	21
25%	-2.01	-2.09	Sum of wgt.	21
50%	0		Mean	.5057143
		Largest	Std. dev.	4.098912
75%	.91	1.51		
90%	6.6	6.6	Variance	16.80108
95%	6.95	6.95	Skewness	2.028786
99%	13.99	13.99	Kurtosis	6.857668

IL2_LPSdiff4

	Percentiles	Smallest		
1%	-2.93	-2.93		
5%	-2.92	-2.92		
10%	-.74	-.74	Obs	21
25%	-.51	-.6	Sum of wgt.	21
50%	0		Mean	-.2604762
		Largest	Std. dev.	1.123305
75%	0	.15		
90%	.19	.19	Variance	1.261815
95%	1.16	1.16	Skewness	-.5092591
99%	2.49	2.49	Kurtosis	5.35172

IL4_LPSdiff4

	Percentiles	Smallest		
1%	-922.45	-922.45		
5%	-416.8	-416.8		
10%	-29.28	-29.28	Obs	21
25%	-2.32	-28.94	Sum of wgt.	21
50%	122.58		Mean	359.8686
		Largest	Std. dev.	841.3792
75%	413.19	666.13		
90%	911.9	911.9	Variance	707918.9
95%	1977.91	1977.91	Skewness	2.004283
99%	3152.92	3152.92	Kurtosis	7.438098

GMCSF_LPSdiff4

	Percentiles	Smallest		
1%	-11.56	-11.56		
5%	-6.93	-6.93		
10%	-2.83	-2.83	Obs	21
25%	-1.16	-1.63	Sum of wgt.	21
50%	.46		Mean	.7857143
		Largest	Std. dev.	5.520817
75%	1.91	2.33		
90%	6.04	6.04	Variance	30.47942
95%	7.19	7.19	Skewness	.8806242
99%	17.77	17.77	Kurtosis	6.368503

IL8_polydiff4

	Percentiles	Smallest		
1%	-19228.86	-19228.86		
5%	-18380.49	-18380.49		
10%	-15157.17	-15157.17	Obs	21
25%	-5413.42	-8597.47	Sum of wgt.	21
50%	-1004.08		Mean	-3187.55
		Largest	Std. dev.	7235.829
75%	-143.28	214.95		
90%	256.3	256.3	Variance	5.24e+07
95%	3206.9	3206.9	Skewness	-.7064769
99%	12412.62	12412.62	Kurtosis	3.881211

IL10_polydiff4

	Percentiles	Smallest		
1%	-770.4	-770.4		
5%	-770.26	-770.26		
10%	-663.73	-663.73	Obs	21
25%	-1.79	-7.13	Sum of wgt.	21
50%	.89		Mean	-59.66381
		Largest	Std. dev.	342.8595
75%	3.5	6.98		
90%	10.36	10.36	Variance	117552.6
95%	44.32	44.32	Skewness	-.0900617
99%	892.29	892.29	Kurtosis	5.565327

IL6_polydiff4

	Percentiles	Smallest		
1%	-9666.46	-9666.46		
5%	-4365.6	-4365.6		
10%	-761.55	-761.55	Obs	21
25%	-47.58	-79.59	Sum of wgt.	21
50%	5.62		Mean	-390.0276
		Largest	Std. dev.	2566.24
75%	15.39	53.84		
90%	110.4	110.4	Variance	6585586
95%	2922.64	2922.64	Skewness	-2.29884
99%	3640.94	3640.94	Kurtosis	9.732128

TNFa_polydiff4

	Percentiles	Smallest		
1%	-10058.43	-10058.43		
5%	-1870.63	-1870.63		
10%	-700.41	-700.41	Obs	21
25%	-15.83	-360.67	Sum of wgt.	21
50%	6.41		Mean	-229.8
		Largest	Std. dev.	2689.065
75%	14.8	43.94		
90%	51.62	51.62	Variance	7231070
95%	2450.97	2450.97	Skewness	-1.866982
99%	5861.09	5861.09	Kurtosis	10.81084

IFNg_polydiff4

	Percentiles	Smallest		
1%	-3.43	-3.43		
5%	-3.07	-3.07		
10%	-2.15	-2.15	Obs	21
25%	-1.96	-2.01	Sum of wgt.	21
50%	0		Mean	.1104762
		Largest	Std. dev.	3.081953
75%	.73	2.01		
90%	2.15	2.15	Variance	9.498435
95%	3.58	3.58	Skewness	2.236009
99%	11.15	11.15	Kurtosis	8.954764

IL2_polydiff4

Percentiles		Smallest		
1%	-3.02	-3.02		
5%	-.93	-.93		
10%	-.69	-.69	Obs	21
25%	-.53	-.63	Sum of wgt.	21
50%	0		Mean	-.072381
		Largest	Std. dev.	1.101571
75%	0	.1		
90%	1.12	1.12	Variance	1.213459
95%	1.91	1.91	Skewness	.1920472
99%	2.75	2.75	Kurtosis	5.609655

IL4_polydiff4

Percentiles		Smallest		
1%	-1111.6	-1111.6		
5%	-475.22	-475.22		
10%	-28.85	-28.85	Obs	21
25%	.16	-8.44	Sum of wgt.	21
50%	145.67		Mean	378.6005
		Largest	Std. dev.	897.8284
75%	438.2	812.07		
90%	1106.3	1106.3	Variance	806095.8
95%	2211.18	2211.18	Skewness	1.727667
99%	3184.93	3184.93	Kurtosis	6.400695

GMCSF_polydiff4

Percentiles		Smallest		
1%	-53.95	-53.95		
5%	-15.88	-15.88		
10%	-3.48	-3.48	Obs	21
25%	-1.94	-3.02	Sum of wgt.	21
50%	0		Mean	-2.411905
		Largest	Std. dev.	13.0196
75%	1.31	2.78		
90%	2.83	2.83	Variance	169.5101
95%	6.08	6.08	Skewness	-3.06339
99%	15.96	15.96	Kurtosis	13.17316

```

19 .
   end of do-file

20 . do "/var/folders/3l/x9ydyjz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

21 . *Look at differences between groups
22 . *First get the median, IQR/ mean/ SD
23 . by MHIV, sort : summarize, detail

```

-> MHIV = 0

Subject No

no observations

Sex

no observations

Gest. Age

Percentiles		Smallest		
1%	38	38		
5%	38	38		
10%	38	38	Obs	9
25%	38	39	Sum of wgt.	9

50%	39		Mean	39.11111
75%	40	Largest	Std. dev.	.9279607
90%	40	40	Variance	.8611111
95%	40	40	Skewness	-.2171292
99%	40	40	Kurtosis	1.340791

M HIV

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	10
25%	0	0	Sum of wgt.	10
50%	0		Mean	0
75%	0	Largest	Std. dev.	0
90%	0	0	Variance	0
95%	0	0	Skewness	.
99%	0	0	Kurtosis	.

Infant DOB

	Percentiles	Smallest		
1%	21360	21360		
5%	21360	21394		
10%	21377	21411	Obs	10
25%	21411	21586	Sum of wgt.	10
50%	21607.5		Mean	21640.1
75%	21722	Largest	Std. dev.	231.8541
90%	21996.5	21722	Variance	53756.32
95%	22096	21897	Skewness	.5977198
99%	22096	22096	Kurtosis	2.573262

M DOB

	Percentiles	Smallest		
1%	7812	7812		
5%	7812	9268		
10%	8540	9327	Obs	10
25%	9327	10652	Sum of wgt.	10
50%	11859		Mean	11277.6
75%	12613	Largest	Std. dev.	1937.333
90%	13491	12613	Variance	3753260
95%	13553	13429	Skewness	-.5067852
99%	13553	13553	Kurtosis	2.001997

Age

	Percentiles	Smallest		
1%	21.48219	21.48219		
5%	21.48219	22.72055		
10%	22.10137	24.10411	Obs	10
25%	24.10411	25.52329	Sum of wgt.	10
50%	26.69589		Mean	28.39032
75%	33.61	Largest	Std. dev.	5.676333
90%	36.86712	29.33699	Variance	32.22075
95%	38.58904	33.61	Skewness	.5687198
99%	38.58904	35.14521	Kurtosis	2.066341

M Weight

	Percentiles	Smallest		
1%	49.3	49.3		
5%	49.3	58		
10%	49.3	60.7	Obs	9

25%	60.7	67.6	Sum of wgt.	9
50%	68		Mean	67.68889
		Largest	Std. dev.	10.02328
75%	76.5	73		
90%	79.1	76.5	Variance	100.4661
95%	79.1	77	Skewness	-.5716862
99%	79.1	79.1	Kurtosis	2.185136

M MUAC

Percentiles		Smallest		
1%	21.4	21.4		
5%	21.4	24		
10%	22.7	25.4	Obs	10
25%	25.4	28	Sum of wgt.	10
50%	28.4		Mean	27.46
		Largest	Std. dev.	2.957927
75%	29	29		
90%	30.5	29	Variance	8.749333
95%	31	30	Skewness	-.9176965
99%	31	31	Kurtosis	2.776523

M CD4

no observations

M Viral Load

no observations

BMI

Percentiles		Smallest		
1%	21.34	21.34		
5%	21.34	23.53		
10%	21.34	24.94	Obs	8
25%	24.235	27.59	Sum of wgt.	8
50%	27.685		Mean	26.6625
		Largest	Std. dev.	3.065428
75%	29.205	27.78		
90%	29.71	28.79	Variance	9.39685
95%	29.71	29.62	Skewness	-.6395844
99%	29.71	29.71	Kurtosis	2.021233

Weight_0

Percentiles		Smallest		
1%	2.4	2.4		
5%	2.4	2.6		
10%	2.5	2.96	Obs	10
25%	2.96	2.99	Sum of wgt.	10
50%	3.0675		Mean	3.045
		Largest	Std. dev.	.3319471
75%	3.3	3.28		
90%	3.3925	3.3	Variance	.1101889
95%	3.4	3.385	Skewness	-.7790877
99%	3.4	3.4	Kurtosis	2.530839

Length_0

Percentiles		Smallest		
1%	34	34		
5%	34	44		
10%	34	46	Obs	8
25%	45	48	Sum of wgt.	8
50%	48.5		Mean	47
		Largest	Std. dev.	6.301927
75%	49.5	49		

90%	56	49	Variance	39.71429
95%	56	50	Skewness	-.8860218
99%	56	56	Kurtosis	3.655918

HC_0

Percentiles		Smallest		
1%	33	33		
5%	33	33		
10%	33	34	Obs	7
25%	33	34	Sum of wgt.	7
50%	34		Mean	34.28571
		Largest	Std. dev.	1.112697
75%	35	34		
90%	36	35	Variance	1.238095
95%	36	35	Skewness	.1920116
99%	36	36	Kurtosis	1.856509

W4L_0

Percentiles		Smallest		
1%	.0545455	.0545455		
5%	.0545455	.0565217		
10%	.0545455	.0604082	Obs	8
25%	.058465	.0607143	Sum of wgt.	8
50%	.0611735		Mean	.0651591
		Largest	Std. dev.	.0143117
75%	.0639458	.0616327		
90%	.0995588	.0622917	Variance	.0002048
95%	.0995588	.0656	Skewness	2.011214
99%	.0995588	.0995588	Kurtosis	5.524803

Weight_10

Percentiles		Smallest		
1%	4.63	4.63		
5%	4.63	4.99		
10%	4.63	5.2	Obs	9
25%	5.2	5.33	Sum of wgt.	9
50%	5.61		Mean	5.528889
		Largest	Std. dev.	.5576613
75%	5.79	5.78		
90%	6.5	5.79	Variance	.3109861
95%	6.5	5.93	Skewness	.0674881
99%	6.5	6.5	Kurtosis	2.43463

Length_10

Percentiles		Smallest		
1%	54	54		
5%	54	55.7		
10%	54	56	Obs	9
25%	56	56.5	Sum of wgt.	9
50%	56.8		Mean	56.97778
		Largest	Std. dev.	1.898537
75%	57.4	56.8		
90%	60.5	57.4	Variance	3.604444
95%	60.5	59.1	Skewness	.4608104
99%	60.5	60.5	Kurtosis	2.7762

HC_10

Percentiles		Smallest		
1%	37.5	37.5		
5%	37.5	38.9		
10%	37.5	39	Obs	9
25%	39	39.4	Sum of wgt.	9
50%	39.5		Mean	39.45556

		Largest	Std. dev.	.9645091
75%	40	39.8		
90%	41	40	Variance	.9302778
95%	41	40	Skewness	-.5462691
99%	41	41	Kurtosis	3.354254

MUAC_10

	Percentiles	Smallest		
1%	12.2	12.2		
5%	12.2	13		
10%	12.2	13	Obs	8
25%	13	13.6	Sum of wgt.	8
50%	14.05		Mean	13.9375
		Largest	Std. dev.	1.167338
75%	14.8	14.5		
90%	15.6	14.6	Variance	1.362679
95%	15.6	15	Skewness	-.0641844
99%	15.6	15.6	Kurtosis	1.747759

W4L_10

	Percentiles	Smallest		
1%	.0783418	.0783418		
5%	.0783418	.0915493		
10%	.0783418	.0924074	Obs	9
25%	.0924074	.0956912	Sum of wgt.	9
50%	.0987676		Mean	.0970263
		Largest	Std. dev.	.0088714
75%	.1032143	.1008711		
90%	.107438	.1032143	Variance	.0000787
95%	.107438	.1049558	Skewness	-.9232346
99%	.107438	.107438	Kurtosis	3.19294

W4A_10

	Percentiles	Smallest		
1%	1.852	1.852		
5%	1.852	1.996		
10%	1.852	2.08	Obs	9
25%	2.08	2.132	Sum of wgt.	9
50%	2.244		Mean	2.211556
		Largest	Std. dev.	.2230645
75%	2.316	2.312		
90%	2.6	2.316	Variance	.0497578
95%	2.6	2.372	Skewness	.0674881
99%	2.6	2.6	Kurtosis	2.43463

Weight_diif0

	Percentiles	Smallest		
1%	1.71	1.71		
5%	1.71	2.03		
10%	1.71	2.24	Obs	9
25%	2.24	2.34	Sum of wgt.	9
50%	2.405		Mean	2.523333
		Largest	Std. dev.	.5621999
75%	2.665	2.59		
90%	3.53	2.665	Variance	.3160688
95%	3.53	3.2	Skewness	.4808383
99%	3.53	3.53	Kurtosis	2.451603

Length_diff0

	Percentiles	Smallest		
1%	4	4		
5%	4	7.7		
10%	4	7.8	Obs	7
25%	7.7	7.8	Sum of wgt.	7

50%	7.8		Mean	10.9
		Largest	Std. dev.	6.334035
75%	13.1	7.8		
90%	23.4	12.5	Variance	40.12
95%	23.4	13.1	Skewness	1.095907
99%	23.4	23.4	Kurtosis	3.261689

HC_diff0

Percentiles		Smallest		
1%	4.5	4.5		
5%	4.5	4.5		
10%	4.5	4.8	Obs	5
25%	4.5	5.4	Sum of wgt.	5
50%	4.8		Mean	5.04
		Largest	Std. dev.	.6503845
75%	5.4	4.5		
90%	6	4.8	Variance	.423
95%	6	5.4	Skewness	.6122692
99%	6	6	Kurtosis	1.815527

Weight_6

Percentiles		Smallest		
1%	6.6	6.6		
5%	6.6	7.1		
10%	6.85	7.3	Obs	10
25%	7.3	7.37	Sum of wgt.	10
50%	7.775		Mean	7.722
		Largest	Std. dev.	.6649779
75%	8.06	8		
90%	8.62	8.06	Variance	.4421956
95%	8.92	8.32	Skewness	.0909843
99%	8.92	8.92	Kurtosis	2.51909

Length_6

Percentiles		Smallest		
1%	61.3	61.3		
5%	61.3	65.4		
10%	63.35	65.8	Obs	10
25%	65.8	66.3	Sum of wgt.	10
50%	66.65		Mean	66.79
		Largest	Std. dev.	2.456036
75%	68.7	68		
90%	69.55	68.7	Variance	6.032111
95%	70.1	69	Skewness	-.8969033
99%	70.1	70.1	Kurtosis	3.639001

HC_6

Percentiles		Smallest		
1%	42	42		
5%	42	42		
10%	42	42.4	Obs	10
25%	42.4	42.8	Sum of wgt.	10
50%	43.45		Mean	43.59
		Largest	Std. dev.	1.390004
75%	44.3	44.1		
90%	45.7	44.3	Variance	1.932111
95%	46	45.4	Skewness	.4371783
99%	46	46	Kurtosis	1.987466

MUAC_6

Percentiles		Smallest		
1%	14	14		
5%	14	14		

10%	14	14.6	Obs	10
25%	14.6	15	Sum of wgt.	10
50%	15.4		Mean	15.37
		Largest	Std. dev.	.9638465
75%	16.4	16		
90%	16.45	16.4	Variance	.929
95%	16.5	16.4	Skewness	-.2307652
99%	16.5	16.5	Kurtosis	1.639113

W4L_6

	Percentiles	Smallest		
1%	.1064468	.1064468		
5%	.1064468	.1076672		
10%	.107057	.1116208	Obs	10
25%	.1116208	.1120061	Sum of wgt.	10
50%	.1150308		Mean	.1154798
		Largest	Std. dev.	.0068339
75%	.1189189	.1164483		
90%	.1258142	.1189189	Variance	.0000467
95%	.1292754	.1223529	Skewness	.6158914
99%	.1292754	.1292754	Kurtosis	2.792983

W4A_6

	Percentiles	Smallest		
1%	1.1	1.1		
5%	1.1	1.183333		
10%	1.141667	1.216667	Obs	10
25%	1.216667	1.228333	Sum of wgt.	10
50%	1.295833		Mean	1.287
		Largest	Std. dev.	.1108296
75%	1.343333	1.333333		
90%	1.436667	1.343333	Variance	.0122832
95%	1.486667	1.386667	Skewness	.0909843
99%	1.486667	1.486667	Kurtosis	2.51909

Weight_diif1

	Percentiles	Smallest		
1%	1.56	1.56		
5%	1.56	1.76		
10%	1.56	1.77	Obs	9
25%	1.77	2.22	Sum of wgt.	9
50%	2.39		Mean	2.317778
		Largest	Std. dev.	.5444442
75%	2.67	2.43		
90%	3.13	2.67	Variance	.2964194
95%	3.13	2.93	Skewness	.0302433
99%	3.13	3.13	Kurtosis	1.773219

Length_diff1

	Percentiles	Smallest		
1%	6.3	6.3		
5%	6.3	9		
10%	6.3	9.5	Obs	9
25%	9.5	9.6	Sum of wgt.	9
50%	11		Mean	10.42222
		Largest	Std. dev.	2.041922
75%	11.6	11.5		
90%	12.7	11.6	Variance	4.169444
95%	12.7	12.6	Skewness	-.763691
99%	12.7	12.7	Kurtosis	2.805505

HC_diff1

	Percentiles	Smallest		
--	-------------	----------	--	--

1%	2.9	2.9		
5%	2.9	3.4		
10%	2.9	3.9	Obs	9
25%	3.9	4	Sum of wgt.	9
50%	4.5		Mean	4.311111
		Largest	Std. dev.	.8373238
75%	5	4.5		
90%	5.4	5	Variance	.7011111
95%	5.4	5.2	Skewness	-.3008169
99%	5.4	5.4	Kurtosis	1.988246

MUAC_diff1

Percentiles		Smallest		
1%	.7	.7		
5%	.7	.8		
10%	.7	1	Obs	8
25%	.9	1	Sum of wgt.	8
50%	1.4		Mean	1.4625
		Largest	Std. dev.	.6566963
75%	2	1.8		
90%	2.4	2	Variance	.43125
95%	2.4	2	Skewness	.1299803
99%	2.4	2.4	Kurtosis	1.382284

Weight_12

Percentiles		Smallest		
1%	8.58	8.58		
5%	8.58	9.04		
10%	8.81	9.85	Obs	10
25%	9.85	10	Sum of wgt.	10
50%	10.19		Mean	10.333
		Largest	Std. dev.	1.175453
75%	10.94	10.5		
90%	12.02	10.94	Variance	1.38169
95%	12.8	11.24	Skewness	.5974371
99%	12.8	12.8	Kurtosis	3.243767

Length_12

Percentiles		Smallest		
1%	71.8	71.8		
5%	71.8	72.2		
10%	72	74.2	Obs	10
25%	74.2	74.5	Sum of wgt.	10
50%	75.45		Mean	75.25
		Largest	Std. dev.	2.126682
75%	77.1	76.8		
90%	77.5	77.1	Variance	4.522778
95%	77.5	77.5	Skewness	-.4515107
99%	77.5	77.5	Kurtosis	1.813913

HC_12

Percentiles		Smallest		
1%	45	45		
5%	45	45.5		
10%	45.25	45.8	Obs	10
25%	45.8	45.8	Sum of wgt.	10
50%	46		Mean	46.46
		Largest	Std. dev.	1.223111
75%	47	46.5		
90%	48.5	47	Variance	1.496
95%	49	48	Skewness	.9876744
99%	49	49	Kurtosis	2.93441

MUAC_12

Percentiles		Smallest		
1%	15	15		
5%	15	15.5		
10%	15.25	15.9	Obs	10
25%	15.9	16.1	Sum of wgt.	10
50%	16.6		Mean	16.69
		Largest	Std. dev.	1.120962
75%	17.8	17		
90%	18.2	17.8	Variance	1.256556
95%	18.4	18	Skewness	.1174315
99%	18.4	18.4	Kurtosis	1.853355

W4L_12

Percentiles		Smallest		
1%	.1177083	.1177083		
5%	.1177083	.1194986		
10%	.1186035	.1308901	Obs	10
25%	.1308901	.1316129	Sum of wgt.	10
50%	.1342008		Mean	.1373392
		Largest	Std. dev.	.0155227
75%	.1450323	.1409972		
90%	.1596257	.1450323	Variance	.000241
95%	.1718121	.1474394	Skewness	.8976266
99%	.1718121	.1718121	Kurtosis	3.571614

W4A_12

Percentiles		Smallest		
1%	.715	.715		
5%	.715	.7533333		
10%	.7341667	.8208333	Obs	10
25%	.8208333	.8333333	Sum of wgt.	10
50%	.8491667		Mean	.8610833
		Largest	Std. dev.	.0979544
75%	.9116667	.875		
90%	1.001667	.9116667	Variance	.0095951
95%	1.066667	.9366667	Skewness	.5974371
99%	1.066667	1.066667	Kurtosis	3.243767

Weight_diff2

Percentiles		Smallest		
1%	.98	.98		
5%	.98	1.48		
10%	1.23	1.53	Obs	10
25%	1.53	2.02	Sum of wgt.	10
50%	2.375		Mean	2.611
		Largest	Std. dev.	1.301379
75%	3.2	2.63		
90%	4.76	3.2	Variance	1.693588
95%	4.88	4.64	Skewness	.6862707
99%	4.88	4.88	Kurtosis	2.315833

Length_diff2

Percentiles		Smallest		
1%	5.1	5.1		
5%	5.1	5.2		
10%	5.15	5.9	Obs	10
25%	5.9	6.5	Sum of wgt.	10
50%	7.3		Mean	8.46
		Largest	Std. dev.	3.509099
75%	10.6	8.8		
90%	13.95	10.6	Variance	12.31378
95%	16.2	11.7	Skewness	1.097816
99%	16.2	16.2	Kurtosis	3.279532

HC_diff2				
Percentiles		Smallest		
1%	1.2	1.2		
5%	1.2	2		
10%	1.6	2	Obs	10
25%	2	2.1	Sum of wgt.	10
50%	3.05		Mean	2.87
		Largest	Std. dev.	1.018768
75%	3.6	3.4		
90%	4.15	3.6	Variance	1.037889
95%	4.5	3.8	Skewness	-.0799781
99%	4.5	4.5	Kurtosis	2.000728

MUAC_diff2				
Percentiles		Smallest		
1%	-.6	-.6		
5%	-.6	.1		
10%	-.25	.3	Obs	10
25%	.3	.6	Sum of wgt.	10
50%	1.35		Mean	1.32
		Largest	Std. dev.	1.391083
75%	1.9	1.6		
90%	3.3	1.9	Variance	1.935111
95%	4.4	2.2	Skewness	.8609944
99%	4.4	4.4	Kurtosis	3.556242

Weight_diff3				
Percentiles		Smallest		
1%	2.54	2.54		
5%	2.54	3.25		
10%	2.54	3.92	Obs	9
25%	3.92	4.39	Sum of wgt.	9
50%	4.42		Mean	4.703333
		Largest	Std. dev.	1.535936
75%	5.15	4.98		
90%	7.81	5.15	Variance	2.3591
95%	7.81	5.87	Skewness	.6569279
99%	7.81	7.81	Kurtosis	3.077731

Length_diff3				
Percentiles		Smallest		
1%	15.4	15.4		
5%	15.4	16.1		
10%	15.4	16.3	Obs	9
25%	16.3	16.8	Sum of wgt.	9
50%	18		Mean	18.02222
		Largest	Std. dev.	2.114106
75%	19.6	18		
90%	21.5	19.6	Variance	4.469444
95%	21.5	20.5	Skewness	.4088263
99%	21.5	21.5	Kurtosis	1.84538

HC_diff3				
Percentiles		Smallest		
1%	5.7	5.7		
5%	5.7	6		
10%	5.7	6	Obs	9
25%	6	6.3	Sum of wgt.	9
50%	6.6		Mean	7
		Largest	Std. dev.	1.185327
75%	8.1	7		
90%	9	8.1	Variance	1.405

95%	9	8.3	Skewness	.5512249
99%	9	9	Kurtosis	1.81243

MUAC_diff3

Percentiles		Smallest		
1%	1	1		
5%	1	1.1		
10%	1	1.4	Obs	8
25%	1.25	1.4	Sum of wgt.	8
50%	2.15		Mean	2.4
		Largest	Std. dev.	1.349074
75%	3.4	2.9		
90%	4.6	3.4	Variance	1.82
95%	4.6	3.4	Skewness	.3627508
99%	4.6	4.6	Kurtosis	1.684988

HC_Z0

Percentiles		Smallest		
1%	-1.15	-1.15		
5%	-1.15	-.74		
10%	-1.15	-.36	Obs	6
25%	-.74	.42	Sum of wgt.	6
50%	.03		Mean	.055
		Largest	Std. dev.	.9512676
75%	.95	-.36		
90%	1.21	.42	Variance	.90491
95%	1.21	.95	Skewness	-.004398
99%	1.21	1.21	Kurtosis	1.458562

W4A_Z0

Percentiles		Smallest		
1%	-2.15	-2.15		
5%	-2.15	-1.65		
10%	-2.15	-.76	Obs	9
25%	-.76	-.61	Sum of wgt.	9
50%	-.47		Mean	-.6166667
		Largest	Std. dev.	.8070471
75%	.1	-.27		
90%	.15	.1	Variance	.651325
95%	.15	.11	Skewness	-.873737
99%	.15	.15	Kurtosis	2.509794

W4L_Z0

Percentiles		Smallest		
1%	-4.22	-4.22		
5%	-4.22	-.72		
10%	-4.22	-.49	Obs	6
25%	-.72	-.24	Sum of wgt.	6
50%	-.365		Mean	-.9233333
		Largest	Std. dev.	1.645341
75%	-.03	-.49		
90%	.16	-.24	Variance	2.707147
95%	.16	-.03	Skewness	-1.644578
99%	.16	.16	Kurtosis	3.942326

HC_Z10

Percentiles		Smallest		
1%	.19	.19		
5%	.19	.8		
10%	.19	1.15	Obs	9
25%	1.15	1.37	Sum of wgt.	9
50%	1.49		Mean	1.621111
		Largest	Std. dev.	.8865868

75%	2.29	1.87		
90%	3.14	2.29	Variance	.7860361
95%	3.14	2.29	Skewness	.097175
99%	3.14	3.14	Kurtosis	2.373734

MUAC_Z10

no observations

W4A_Z10

Percentiles		Smallest		
1%	-.48	-.48		
5%	-.48	.61		
10%	-.48	.65	Obs	9
25%	.65	.96	Sum of wgt.	9
50%	1.45		Mean	1.217778
		Largest	Std. dev.	.9053698
75%	1.77	1.54		
90%	2.68	1.77	Variance	.8196944
95%	2.68	1.78	Skewness	-.3215687
99%	2.68	2.68	Kurtosis	2.790183

W4L_Z10

Percentiles		Smallest		
1%	-2.66	-2.66		
5%	-2.66	.36		
10%	-2.66	.86	Obs	9
25%	.86	1.17	Sum of wgt.	9
50%	1.17		Mean	.8633333
		Largest	Std. dev.	1.416545
75%	1.62	1.33		
90%	1.99	1.62	Variance	2.0066
95%	1.99	1.93	Skewness	-1.895115
99%	1.99	1.99	Kurtosis	5.499603

HC_Z6

Percentiles		Smallest		
1%	-1.1	-1.1		
5%	-1.1	-.44		
10%	-.77	-.28	Obs	10
25%	-.28	-.16	Sum of wgt.	10
50%	.47		Mean	.707
		Largest	Std. dev.	1.308893
75%	1.45	1.3		
90%	2.68	1.45	Variance	1.713201
95%	2.91	2.45	Skewness	.3870733
99%	2.91	2.91	Kurtosis	1.985988

MUAC_Z6

Percentiles		Smallest		
1%	-.22	-.22		
5%	-.22	.19		
10%	-.015	.33	Obs	10
25%	.33	1.01	Sum of wgt.	10
50%	1.19		Mean	1.15
		Largest	Std. dev.	.8352777
75%	2.06	1.56		
90%	2.095	2.06	Variance	.6976889
95%	2.13	2.06	Skewness	-.3000008
99%	2.13	2.13	Kurtosis	1.81259

W4A_Z6

Percentiles		Smallest		
1%	-1.67	-1.67		

5%	-1.67	-1.01		
10%	-1.34	-.76	Obs	10
25%	-.76	.08	Sum of wgt.	10
50%	.395		Mean	.128
		Largest	Std. dev.	.9918983
75%	.75	.66		
90%	1.22	.75	Variance	.9838622
95%	1.63	.81	Skewness	-.4620216
99%	1.63	1.63	Kurtosis	2.333581

W4L_Z6

	Percentiles	Smallest		
1%	-.95	-.95		
5%	-.95	-.17		
10%	-.56	-.1	Obs	10
25%	-.1	.15	Sum of wgt.	10
50%	.265		Mean	.237
		Largest	Std. dev.	.5812639
75%	.52	.48		
90%	.955	.52	Variance	.3378678
95%	1.23	.68	Skewness	-.4018352
99%	1.23	1.23	Kurtosis	3.294907

HC_Z12

	Percentiles	Smallest		
1%	-.83	-.83		
5%	-.83	-.44		
10%	-.635	-.05	Obs	10
25%	-.05	.34	Sum of wgt.	10
50%	.67		Mean	.803
		Largest	Std. dev.	1.195984
75%	1.55	.81		
90%	2.655	1.55	Variance	1.430379
95%	3.02	2.29	Skewness	.5204455
99%	3.02	3.02	Kurtosis	2.379437

MUAC_Z12

	Percentiles	Smallest		
1%	.31	.31		
5%	.31	1.04		
10%	.675	1.24	Obs	10
25%	1.24	1.35	Sum of wgt.	10
50%	1.755		Mean	1.806
		Largest	Std. dev.	.8596795
75%	2.67	2.13		
90%	2.905	2.67	Variance	.7390489
95%	3.01	2.8	Skewness	-.1231636
99%	3.01	3.01	Kurtosis	2.067017

W4A_Z12

	Percentiles	Smallest		
1%	-1.07	-1.07		
5%	-1.07	.08		
10%	-.495	.19	Obs	10
25%	.19	.78	Sum of wgt.	10
50%	.97		Mean	.882
		Largest	Std. dev.	1.030877
75%	1.41	1.06		
90%	2.215	1.41	Variance	1.062707
95%	2.82	1.61	Skewness	-.0496655
99%	2.82	2.82	Kurtosis	3.238863

W4L_Z12

Percentiles		Smallest		
1%	-.53	-.53		
5%	-.53	-.34		
10%	-.435	.56	Obs	10
25%	.56	.66	Sum of wgt.	10
50%	.675		Mean	1.065
		Largest	Std. dev.	1.234857
75%	1.8	1.39		
90%	2.88	1.8	Variance	1.524872
95%	3.67	2.09	Skewness	.7489266
99%	3.67	3.67	Kurtosis	3.077561

IL8_C0

Percentiles		Smallest		
1%	34	34		
5%	34	125.82		
10%	79.91	246.64	Obs	10
25%	246.64	1092.4	Sum of wgt.	10
50%	1266.195		Mean	1800.756
		Largest	Std. dev.	1930.606
75%	2340.47	1945.43		
90%	4845.205	2340.47	Variance	3727238
95%	6470.03	3220.38	Skewness	1.468007
99%	6470.03	6470.03	Kurtosis	4.473049

IL10_C0

Percentiles		Smallest		
1%	.37	.37		
5%	.37	.81		
10%	.59	1.37	Obs	10
25%	1.37	2.8	Sum of wgt.	10
50%	3.2		Mean	3.355
		Largest	Std. dev.	3.299657
75%	3.2	3.2		
90%	7.7	3.2	Variance	10.88774
95%	12.2	3.2	Skewness	2.089353
99%	12.2	12.2	Kurtosis	6.516922

IL6_C0

Percentiles		Smallest		
1%	.43	.43		
5%	.43	.87		
10%	.65	1.13	Obs	10
25%	1.13	1.86	Sum of wgt.	10
50%	2.775		Mean	14.079
		Largest	Std. dev.	26.23886
75%	3.59	3.23		
90%	62.065	3.59	Variance	688.4776
95%	76.72	47.41	Skewness	1.741754
99%	76.72	76.72	Kurtosis	4.377144

TNFa_C0

Percentiles		Smallest		
1%	4.95	4.95		
5%	4.95	6.9		
10%	5.925	7.15	Obs	10
25%	7.15	10.27	Sum of wgt.	10
50%	18.705		Mean	57.753
		Largest	Std. dev.	104.0941
75%	32.24	24.36		
90%	227.125	32.24	Variance	10835.58
95%	339.14	115.11	Skewness	2.261058
99%	339.14	339.14	Kurtosis	6.638067

IFNg_C0				
Percentiles		Smallest		
1%	.75	.75		
5%	.75	1.96		
10%	1.355	3.97	Obs	10
25%	3.97	3.97	Sum of wgt.	10
50%	3.97		Mean	3.447
		Largest	Std. dev.	1.138869
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.297023
95%	3.97	3.97	Skewness	-1.725416
99%	3.97	3.97	Kurtosis	4.285518

IL2_C0				
Percentiles		Smallest		
1%	.36	.36		
5%	.36	.41		
10%	.385	.44	Obs	10
25%	.44	.66	Sum of wgt.	10
50%	1.01		Mean	1.519
		Largest	Std. dev.	1.243994
75%	3.24	1.58		
90%	3.24	3.24	Variance	1.547521
95%	3.24	3.24	Skewness	.6174477
99%	3.24	3.24	Kurtosis	1.636229

IL4_C0				
Percentiles		Smallest		
1%	0	0		
5%	0	.28		
10%	.14	.77	Obs	10
25%	.77	2.6	Sum of wgt.	10
50%	2.945		Mean	109.805
		Largest	Std. dev.	313.4315
75%	20.58	4.27		
90%	531.83	20.58	Variance	98239.34
95%	1000.11	63.55	Skewness	2.647777
99%	1000.11	1000.11	Kurtosis	8.050091

GMCSF_C0				
Percentiles		Smallest		
1%	.22	.22		
5%	.22	.26		
10%	.24	.26	Obs	10
25%	.26	.32	Sum of wgt.	10
50%	.78		Mean	1.322
		Largest	Std. dev.	1.256943
75%	2.29	1.75		
90%	3.28	2.29	Variance	1.579907
95%	3.28	3.28	Skewness	.6097664
99%	3.28	3.28	Kurtosis	1.791764

IL8_LPS0				
Percentiles		Smallest		
1%	36.28	36.28		
5%	36.28	2593.54		
10%	1314.91	4506.61	Obs	10
25%	4506.61	5695.78	Sum of wgt.	10
50%	8953.49		Mean	9831.273
		Largest	Std. dev.	6822.61
75%	15899.92	15069.24		
90%	18302.19	15899.92	Variance	4.65e+07
95%	18765.26	17839.12	Skewness	.0041635

99% **18765.26** **18765.26** Kurtosis **1.471656**

IL10_LPS0

Percentiles		Smallest		
1%	3.2	3.2		
5%	3.2	13.06		
10%	8.13	22.96	Obs	10
25%	22.96	35.11	Sum of wgt.	10
50%	119.665		Mean	165.239
		Largest	Std. dev.	176.2547
75%	211.29	198.15		
90%	464.645	211.29	Variance	31065.73
95%	512.29	417	Skewness	.9538146
99%	512.29	512.29	Kurtosis	2.62054

IL6_LPS0

Percentiles		Smallest		
1%	19.49	19.49		
5%	19.49	82.46		
10%	50.975	104.41	Obs	10
25%	104.41	282.89	Sum of wgt.	10
50%	347.46		Mean	860.962
		Largest	Std. dev.	1654.283
75%	664.61	410.92		
90%	3174.96	664.61	Variance	2736651
95%	5512.81	837.11	Skewness	2.550857
99%	5512.81	5512.81	Kurtosis	7.743873

TNFa_LPS0

Percentiles		Smallest		
1%	7.21	7.21		
5%	7.21	37.25		
10%	22.23	129.74	Obs	10
25%	129.74	173.08	Sum of wgt.	10
50%	304.255		Mean	1066.06
		Largest	Std. dev.	2007.149
75%	1002.62	443.57		
90%	4129.31	1002.62	Variance	4028649
95%	6587.42	1671.2	Skewness	2.369733
99%	6587.42	6587.42	Kurtosis	7.105426

IFNg_LPS0

Percentiles		Smallest		
1%	0	0		
5%	0	.75		
10%	.375	3.31	Obs	10
25%	3.31	3.97	Sum of wgt.	10
50%	3.97		Mean	3.185
		Largest	Std. dev.	1.505643
75%	3.97	3.97		
90%	3.97	3.97	Variance	2.266961
95%	3.97	3.97	Skewness	-1.487813
99%	3.97	3.97	Kurtosis	3.380499

IL2_LPS0

Percentiles		Smallest		
1%	.02	.02		
5%	.02	.19		
10%	.105	.8	Obs	10
25%	.8	.89	Sum of wgt.	10
50%	.98		Mean	1.682
		Largest	Std. dev.	1.378073
75%	3.24	3.24		

90%	3.24	3.24	Variance	1.899084
95%	3.24	3.24	Skewness	.238695
99%	3.24	3.24	Kurtosis	1.288733

IL4_LPS0

Percentiles		Smallest		
1%	1.38	1.38		
5%	1.38	2.6		
10%	1.99	2.6	Obs	10
25%	2.6	3.76	Sum of wgt.	10
50%	11.775		Mean	108.229
		Largest	Std. dev.	294.2247
75%	19.64	14.44		
90%	507.16	19.64	Variance	86568.19
95%	943.58	70.74	Skewness	2.643261
99%	943.58	943.58	Kurtosis	8.03523

GMCSF_LPS0

Percentiles		Smallest		
1%	.1	.1		
5%	.1	.26		
10%	.18	.62	Obs	10
25%	.62	1.01	Sum of wgt.	10
50%	2.71		Mean	2.004
		Largest	Std. dev.	1.336756
75%	3.28	2.79		
90%	3.28	3.28	Variance	1.786916
95%	3.28	3.28	Skewness	-.4114183
99%	3.28	3.28	Kurtosis	1.388351

IL8_poly0

Percentiles		Smallest		
1%	30.74	30.74		
5%	30.74	101.21		
10%	65.975	168.51	Obs	10
25%	168.51	245.67	Sum of wgt.	10
50%	921.43		Mean	1745.472
		Largest	Std. dev.	2032.748
75%	3142.35	1694.7		
90%	5114.34	3142.35	Variance	4132064
95%	5727.8	4500.88	Skewness	.9591647
99%	5727.8	5727.8	Kurtosis	2.467571

IL10_poly0

Percentiles		Smallest		
1%	.37	.37		
5%	.37	.47		
10%	.42	.95	Obs	10
25%	.95	1.13	Sum of wgt.	10
50%	2.72		Mean	2.868
		Largest	Std. dev.	3.003312
75%	3.2	3.2		
90%	6.96	3.2	Variance	9.019884
95%	10.72	3.2	Skewness	1.912378
99%	10.72	10.72	Kurtosis	5.912073

IL6_poly0

Percentiles		Smallest		
1%	.48	.48		
5%	.48	.89		
10%	.685	1.29	Obs	10
25%	1.29	1.5	Sum of wgt.	10
50%	2.56		Mean	13.012

		Largest	Std. dev.	23.66258
75%	3.23	3.23		
90%	57.19	3.23	Variance	559.9175
95%	65.91	48.47	Skewness	1.604965
99%	65.91	65.91	Kurtosis	3.755013

TNFa_poly0

	Percentiles	Smallest		
1%	4.06	4.06		
5%	4.06	4.74		
10%	4.4	7.05	Obs	10
25%	7.05	9.87	Sum of wgt.	10
50%	16.425		Mean	74.59
		Largest	Std. dev.	132.0773
75%	26.1	24.37		
90%	318.43	26.1	Variance	17444.4
95%	380.86	256	Skewness	1.66662
99%	380.86	380.86	Kurtosis	4.058737

IFNg_poly0

	Percentiles	Smallest		
1%	.54	.54		
5%	.54	3.97		
10%	2.255	3.97	Obs	10
25%	3.97	3.97	Sum of wgt.	10
50%	3.97		Mean	3.627
		Largest	Std. dev.	1.084661
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.17649
95%	3.97	3.97	Skewness	-2.666667
99%	3.97	3.97	Kurtosis	8.111111

IL2_poly0

	Percentiles	Smallest		
1%	.06	.06		
5%	.06	.12		
10%	.09	.13	Obs	10
25%	.13	.17	Sum of wgt.	10
50%	1.015		Mean	1.391
		Largest	Std. dev.	1.379287
75%	3.24	1.68		
90%	3.24	3.24	Variance	1.902432
95%	3.24	3.24	Skewness	.4735753
99%	3.24	3.24	Kurtosis	1.556756

IL4_poly0

	Percentiles	Smallest		
1%	.08	.08		
5%	.08	2.44		
10%	1.26	2.6	Obs	10
25%	2.6	5.77	Sum of wgt.	10
50%	8.76		Mean	127.482
		Largest	Std. dev.	357.7139
75%	25.29	16.85		
90%	602.135	25.29	Variance	127959.2
95%	1144.3	59.97	Skewness	2.654595
99%	1144.3	1144.3	Kurtosis	8.072608

GMCSF_poly0

	Percentiles	Smallest		
1%	.26	.26		
5%	.26	.26		
10%	.26	.26	Obs	10
25%	.26	.44	Sum of wgt.	10

50%	.845		Mean	1.487
		Largest	Std. dev.	1.423057
75%	3.28	1.65		
90%	3.515	3.28	Variance	2.02509
95%	3.75	3.28	Skewness	.6297935
99%	3.75	3.75	Kurtosis	1.679318

IL8_C10

Percentiles		Smallest		
1%	15.46	15.46		
5%	15.46	19.87		
10%	15.46	22.5	Obs	8
25%	21.185	64.16	Sum of wgt.	8
50%	85.07		Mean	144.6925
		Largest	Std. dev.	162.5579
75%	260.35	105.98		
90%	408.87	131.44	Variance	26425.07
95%	408.87	389.26	Skewness	.9441057
99%	408.87	408.87	Kurtosis	2.15974

IL10_C10

Percentiles		Smallest		
1%	.72	.72		
5%	.72	.72		
10%	.72	2.34	Obs	8
25%	1.53	2.46	Sum of wgt.	8
50%	2.83		Mean	5.465
		Largest	Std. dev.	7.705788
75%	5.19	3.2		
90%	23.9	3.36	Variance	59.37917
95%	23.9	7.02	Skewness	1.994811
99%	23.9	23.9	Kurtosis	5.40562

IL6_C10

Percentiles		Smallest		
1%	.22	.22		
5%	.22	.22		
10%	.22	.36	Obs	8
25%	.29	1.93	Sum of wgt.	8
50%	3.12		Mean	9.2325
		Largest	Std. dev.	16.2432
75%	9.485	4.31		
90%	47.85	5.2	Variance	263.8415
95%	47.85	13.77	Skewness	1.958078
99%	47.85	47.85	Kurtosis	5.271224

TNFa_C10

Percentiles		Smallest		
1%	5.77	5.77		
5%	5.77	8.12		
10%	5.77	13.36	Obs	8
25%	10.74	14.07	Sum of wgt.	8
50%	15.435		Mean	19.43875
		Largest	Std. dev.	13.97631
75%	23.905	16.8		
90%	49.58	19.95	Variance	195.3372
95%	49.58	27.86	Skewness	1.318998
99%	49.58	49.58	Kurtosis	3.782296

IFNg_C10

Percentiles		Smallest		
1%	.9	.9		
5%	.9	1.27		

10%	.9	1.82	Obs	8
25%	1.545	3.97	Sum of wgt.	8
50%	3.97		Mean	18.4975
		Largest	Std. dev.	44.31009
75%	3.97	3.97		
90%	128.11	3.97	Variance	1963.384
95%	128.11	3.97	Skewness	2.263692
99%	128.11	128.11	Kurtosis	6.132588

IL2_C10

Percentiles		Smallest		
1%	.04	.04		
5%	.04	.82		
10%	.04	1.64	Obs	8
25%	1.23	3.24	Sum of wgt.	8
50%	3.24		Mean	5.4225
		Largest	Std. dev.	9.17802
75%	3.24	3.24		
90%	27.92	3.24	Variance	84.23605
95%	27.92	3.24	Skewness	2.180366
99%	27.92	27.92	Kurtosis	5.930772

IL4_C10

Percentiles		Smallest		
1%	1.6	1.6		
5%	1.6	2.6		
10%	1.6	2.8	Obs	8
25%	2.7	4.92	Sum of wgt.	8
50%	16.055		Mean	79.57375
		Largest	Std. dev.	137.6699
75%	103.685	27.19		
90%	390.11	37.13	Variance	18952.99
95%	390.11	170.24	Skewness	1.678198
99%	390.11	390.11	Kurtosis	4.324841

GMCSF_C10

Percentiles		Smallest		
1%	.02	.02		
5%	.02	.32		
10%	.02	.44	Obs	8
25%	.38	.44	Sum of wgt.	8
50%	1.86		Mean	16.005
		Largest	Std. dev.	40.82682
75%	3.28	3.28		
90%	116.98	3.28	Variance	1666.829
95%	116.98	3.28	Skewness	2.261859
99%	116.98	116.98	Kurtosis	6.127871

IL8_LPS10

Percentiles		Smallest		
1%	272.87	272.87		
5%	272.87	675.04		
10%	272.87	2705.91	Obs	8
25%	1690.475	4116.46	Sum of wgt.	8
50%	5219.15		Mean	6334.324
		Largest	Std. dev.	5623.968
75%	10466.98	6321.84		
90%	15648.51	7855.64	Variance	3.16e+07
95%	15648.51	13078.32	Skewness	.5629171
99%	15648.51	15648.51	Kurtosis	1.986708

IL10_LPS10

Percentiles		Smallest		
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1%	.47	.47		
5%	.47	9.41		
10%	.47	12.05	Obs	8
25%	10.73	21.8	Sum of wgt.	8
50%	24.155		Mean	61.7425
		Largest	Std. dev.	111.1354
75%	45.325	26.51		
90%	333.05	29.33	Variance	12351.08
95%	333.05	61.32	Skewness	2.150969
99%	333.05	333.05	Kurtosis	5.833896

IL6_LPS10

Percentiles		Smallest		
1%	46.12	46.12		
5%	46.12	125.3		
10%	46.12	258.25	Obs	8
25%	191.775	572.25	Sum of wgt.	8
50%	650.34		Mean	2972.901
		Largest	Std. dev.	6775.42
75%	1176.125	728.43		
90%	19700.61	839.82	Variance	4.59e+07
95%	19700.61	1512.43	Skewness	2.246146
99%	19700.61	19700.61	Kurtosis	6.087375

TNFa_LPS10

Percentiles		Smallest		
1%	47	47		
5%	47	129.09		
10%	47	202.56	Obs	8
25%	165.825	217.46	Sum of wgt.	8
50%	285.08		Mean	1693.864
		Largest	Std. dev.	4054.171
75%	440.445	352.7		
90%	11721.21	416.17	Variance	1.64e+07
95%	11721.21	464.72	Skewness	2.262173
99%	11721.21	11721.21	Kurtosis	6.128712

IFNg_LPS10

Percentiles		Smallest		
1%	0	0		
5%	0	.54		
10%	0	.9	Obs	8
25%	.72	1.27	Sum of wgt.	8
50%	1.765		Mean	21.7925
		Largest	Std. dev.	56.51351
75%	3.88	2.26		
90%	161.61	3.79	Variance	3193.776
95%	161.61	3.97	Skewness	2.264793
99%	161.61	161.61	Kurtosis	6.135285

IL2_LPS10

Percentiles		Smallest		
1%	.01	.01		
5%	.01	1.26		
10%	.01	1.58	Obs	8
25%	1.42	3.24	Sum of wgt.	8
50%	3.24		Mean	4.7375
		Largest	Std. dev.	7.116293
75%	3.24	3.24		
90%	22.09	3.24	Variance	50.64162
95%	22.09	3.24	Skewness	2.132601
99%	22.09	22.09	Kurtosis	5.820725

IL4_LPS10

Percentiles		Smallest		
1%	.28	.28		
5%	.28	2.8		
10%	.28	3.76	Obs	8
25%	3.28	5.04	Sum of wgt.	8
50%	20.895		Mean	70.2775
		Largest	Std. dev.	108.3165
75%	106.025	36.75		
90%	301.54	47.58	Variance	11732.46
95%	301.54	164.47	Skewness	1.434003
99%	301.54	301.54	Kurtosis	3.585576

GMCSF_LPS10

Percentiles		Smallest		
1%	.81	.81		
5%	.81	1.01		
10%	.81	1.44	Obs	8
25%	1.225	3.28	Sum of wgt.	8
50%	3.28		Mean	16.00875
		Largest	Std. dev.	36.78624
75%	5.69	3.28		
90%	106.87	3.28	Variance	1353.227
95%	106.87	8.1	Skewness	2.250217
99%	106.87	106.87	Kurtosis	6.097348

IL8_poly10

Percentiles		Smallest		
1%	23.02	23.02		
5%	23.02	23.85		
10%	23.02	51.95	Obs	8
25%	37.9	95.98	Sum of wgt.	8
50%	101.79		Mean	169.495
		Largest	Std. dev.	244.4767
75%	145.98	107.6		
90%	761.6	123.98	Variance	59768.84
95%	761.6	167.98	Skewness	2.079884
99%	761.6	761.6	Kurtosis	5.669978

IL10_poly10

Percentiles		Smallest		
1%	.01	.01		
5%	.01	.29		
10%	.01	1.92	Obs	8
25%	1.105	2.19	Sum of wgt.	8
50%	2.215		Mean	5.3825
		Largest	Std. dev.	7.267563
75%	7.245	2.24		
90%	21.92	6.14	Variance	52.81748
95%	21.92	8.35	Skewness	1.653976
99%	21.92	21.92	Kurtosis	4.490293

IL6_poly10

Percentiles		Smallest		
1%	.75	.75		
5%	.75	.99		
10%	.75	2.15	Obs	8
25%	1.57	4.65	Sum of wgt.	8
50%	6.36		Mean	11.48
		Largest	Std. dev.	15.24431
75%	14.315	8.07		
90%	46.6	12.48	Variance	232.3889
95%	46.6	16.15	Skewness	1.718362
99%	46.6	46.6	Kurtosis	4.707206

TNFa_poly10

Percentiles		Smallest		
1%	7.35	7.35		
5%	7.35	8.12		
10%	7.35	14.98	Obs	8
25%	11.55	17.41	Sum of wgt.	8
50%	17.585		Mean	36.585
		Largest	Std. dev.	38.08657
75%	56.2	17.76		
90%	114.66	41.45	Variance	1450.587
95%	114.66	70.95	Skewness	1.229453
99%	114.66	114.66	Kurtosis	3.136077

IFNg_poly10

Percentiles		Smallest		
1%	0	0		
5%	0	.54		
10%	0	2.26	Obs	8
25%	1.4	2.64	Sum of wgt.	8
50%	3.305		Mean	19.1525
		Largest	Std. dev.	44.6123
75%	7.27	3.97		
90%	129.27	3.97	Variance	1990.257
95%	129.27	10.57	Skewness	2.244357
99%	129.27	129.27	Kurtosis	6.081909

IL2_poly10

Percentiles		Smallest		
1%	.02	.02		
5%	.02	.27		
10%	.02	.82	Obs	8
25%	.545	2.02	Sum of wgt.	8
50%	2.63		Mean	4.40875
		Largest	Std. dev.	7.401532
75%	3.24	3.24		
90%	22.42	3.24	Variance	54.78267
95%	22.42	3.24	Skewness	2.117833
99%	22.42	22.42	Kurtosis	5.772342

IL4_poly10

Percentiles		Smallest		
1%	4.92	4.92		
5%	4.92	4.92		
10%	4.92	5.04	Obs	8
25%	4.98	14.44	Sum of wgt.	8
50%	26.65		Mean	73.34875
		Largest	Std. dev.	100.2387
75%	124.93	38.86		
90%	268.75	61.13	Variance	10047.8
95%	268.75	188.73	Skewness	1.181208
99%	268.75	268.75	Kurtosis	2.772089

GMCSF_poly10

Percentiles		Smallest		
1%	.72	.72		
5%	.72	1.01		
10%	.72	1.55	Obs	8
25%	1.28	2.46	Sum of wgt.	8
50%	2.87		Mean	15.10375
		Largest	Std. dev.	36.43947
75%	3.28	3.28		
90%	105.25	3.28	Variance	1327.835

95%	105.25	3.28	Skewness	2.264077
99%	105.25	105.25	Kurtosis	6.133537

IL8_Cdiff1

Percentiles		Smallest		
1%	-3088.94	-3088.94		
5%	-3088.94	-2276.31		
10%	-3088.94	-1925.56	Obs	8
25%	-2100.935	-1076.94	Sum of wgt.	8
50%	-973.875		Mean	-1138.459
		Largest	Std. dev.	1205.433
75%	-121.99	-870.81		
90%	374.87	-224.14	Variance	1453069
95%	374.87	-19.84	Skewness	-.3253872
99%	374.87	374.87	Kurtosis	1.859518

IL10_Cdiff1

Percentiles		Smallest		
1%	-8.84	-8.84		
5%	-8.84	-2.48		
10%	-8.84	-.34	Obs	8
25%	-1.41	0	Sum of wgt.	8
50%	.175		Mean	1.8425
		Largest	Std. dev.	8.475165
75%	2.675	.35		
90%	20.7	1.53	Variance	71.82842
95%	20.7	3.82	Skewness	1.353145
99%	20.7	20.7	Kurtosis	4.426499

IL6_Cdiff1

Percentiles		Smallest		
1%	-71.52	-71.52		
5%	-71.52	-33.64		
10%	-71.52	-3.37	Obs	8
25%	-18.505	-.51	Sum of wgt.	8
50%	-.45		Mean	-7.73
		Largest	Std. dev.	33.34154
75%	1.485	-.39		
90%	44.62	-.21	Variance	1111.658
95%	44.62	3.18	Skewness	-.5394498
99%	44.62	44.62	Kurtosis	3.242439

TNFa_Cdiff1

Percentiles		Smallest		
1%	-65.53	-65.53		
5%	-65.53	-26.47		
10%	-65.53	-10.18	Obs	8
25%	-18.325	-7.56	Sum of wgt.	8
50%	-2.195		Mean	-8.62625
		Largest	Std. dev.	27.22389
75%	8.3	3.17		
90%	20.96	3.8	Variance	741.1401
95%	20.96	12.8	Skewness	-1.140259
99%	20.96	20.96	Kurtosis	3.449794

IFNg_Cdiff1

Percentiles		Smallest		
1%	-3.07	-3.07		
5%	-3.07	-2.15		
10%	-3.07	-.69	Obs	8
25%	-1.42	0	Sum of wgt.	8
50%	0		Mean	15.18125
		Largest	Std. dev.	44.06467

75%	1.61	0		
90%	124.14	0	Variance	1941.696
95%	124.14	3.22	Skewness	2.259869
99%	124.14	124.14	Kurtosis	6.122763

IL2_Cdiff1

Percentiles		Smallest		
1%	-.4	-.4		
5%	-.4	-.04		
10%	-.4	0	Obs	8
25%	-.02	0	Sum of wgt.	8
50%	0		Mean	3.75125
		Largest	Std. dev.	9.656121
75%	1.47	0		
90%	27.51	.06	Variance	93.24067
95%	27.51	2.88	Skewness	2.218008
99%	27.51	27.51	Kurtosis	6.007916

IL4_Cdiff1

Percentiles		Smallest		
1%	-829.87	-829.87		
5%	-829.87	-60.75		
10%	-829.87	-18.98	Obs	8
25%	-39.865	0	Sum of wgt.	8
50%	2.32		Mean	-57.0525
		Largest	Std. dev.	342.4003
75%	29.215	4.64		
90%	390.11	23.9	Variance	117238
95%	390.11	34.53	Skewness	-1.40909
99%	390.11	390.11	Kurtosis	4.713649

GMCSF_Cdiff1

Percentiles		Smallest		
1%	-1.73	-1.73		
5%	-1.73	-.77		
10%	-1.73	0	Obs	8
25%	-.385	0	Sum of wgt.	8
50%	0		Mean	14.42375
		Largest	Std. dev.	41.34144
75%	.585	0		
90%	116.72	.18	Variance	1709.114
95%	116.72	.99	Skewness	2.266135
99%	116.72	116.72	Kurtosis	6.138714

IL8_LPSdiff1

Percentiles		Smallest		
1%	-18492.39	-18492.39		
5%	-18492.39	-12363.33		
10%	-18492.39	-9983.48	Obs	8
25%	-11173.4	-5503.24	Sum of wgt.	8
50%	-2946.695		Mean	-2501.19
		Largest	Std. dev.	11519.83
75%	5555.42	-390.15		
90%	15612.23	626.06	Variance	1.33e+08
95%	15612.23	10484.78	Skewness	.2675711
99%	15612.23	15612.23	Kurtosis	1.9864

IL10_LPSdiff1

Percentiles		Smallest		
1%	-201.88	-201.88		
5%	-201.88	-197.68		
10%	-201.88	-123.27	Obs	8
25%	-160.475	-60.22	Sum of wgt.	8

50%	-30.69		Mean	-28.645
75%	17.53	Largest	Std. dev.	167.0119
90%	319.99	-1.16	Variance	27892.97
95%	319.99	8.85	Skewness	1.03945
99%	319.99	26.21	Kurtosis	3.479971
	319.99	319.99		

IL6_LPSdiff1

Percentiles		Smallest		
1%	-711.81	-711.81		
5%	-711.81	-406.36		
10%	-711.81	-364.8	Obs	8
25%	-385.58	365.82	Sum of wgt.	8
50%	436.665		Mean	2621.161
75%	991.365	Largest	Std. dev.	6892.996
90%	19596.2	507.51	Variance	4.75e+07
95%	19596.2	552.76	Skewness	2.223612
99%	19596.2	1429.97	Kurtosis	6.03042
	19596.2	19596.2		

TNFa_LPSdiff1

Percentiles		Smallest		
1%	-1542.11	-1542.11		
5%	-1542.11	-955.62		
10%	-1542.11	-89.53	Obs	8
25%	-522.575	99.75	Sum of wgt.	8
50%	139.685		Mean	1240.162
75%	257.595	Largest	Std. dev.	4282.856
90%	11714	179.62	Variance	1.83e+07
95%	11714	180.21	Skewness	2.157669
99%	11714	334.98	Kurtosis	5.88385
	11714	11714		

IFNg_LPSdiff1

Percentiles		Smallest		
1%	-3.97	-3.97		
5%	-3.97	-3.43		
10%	-3.97	-3.07	Obs	8
25%	-3.25	-2.04	Sum of wgt.	8
50%	-1.875		Mean	18.3075
75%	-.09	Largest	Std. dev.	57.61782
90%	160.86	-1.71	Variance	3319.813
95%	160.86	-.18	Skewness	2.264972
99%	160.86	0	Kurtosis	6.13575
	160.86	160.86		

IL2_LPSdiff1

Percentiles		Smallest		
1%	-.01	-.01		
5%	-.01	0		
10%	-.01	0	Obs	8
25%	0	0	Sum of wgt.	8
50%	0		Mean	2.8525
75%	.465	Largest	Std. dev.	7.699411
90%	21.9	0	Variance	59.28094
95%	21.9	.37	Skewness	2.264211
99%	21.9	.56	Kurtosis	6.133742
	21.9	21.9		

IL4_LPSdiff1

Percentiles		Smallest		
1%	-779.11	-779.11		
5%	-779.11	-67.94		
10%	-779.11	-14.6	Obs	8

25%	-41.27	-2.32	Sum of wgt.	8
50%	-1.16		Mean	-61.78875
75%	40.175	0	Std. dev.	308.9856
90%	289.31	34.15	Variance	95472.13
95%	289.31	46.2	Skewness	-1.672832
99%	289.31	289.31	Kurtosis	5.019079

GMCSF_LPSdiff1

Percentiles		Smallest		
1%	-1.84	-1.84		
5%	-1.84	0		
10%	-1.84	0	Obs	8
25%	0	.55	Sum of wgt.	8
50%	.6		Mean	13.93
75%	3.11	.65	Std. dev.	37.20045
90%	105.86	.91	Variance	1383.874
95%	105.86	5.31	Skewness	2.254583
99%	105.86	105.86	Kurtosis	6.108774

IL8_polydiff1

Percentiles		Smallest		
1%	-4376.9	-4376.9		
5%	-4376.9	-3090.4		
10%	-4376.9	-1671.68	Obs	8
25%	-2381.04	-602.93	Sum of wgt.	8
50%	-373.795		Mean	-1162.376
75%	-71.65	-144.66	Std. dev.	1757.884
90%	730.86	-138.07	Variance	3090156
95%	730.86	-5.23	Skewness	-.8399428
99%	730.86	730.86	Kurtosis	2.352134

IL10_polydiff1

Percentiles		Smallest		
1%	-4.58	-4.58		
5%	-4.58	-1.28		
10%	-4.58	-.36	Obs	8
25%	-.82	-.18	Sum of wgt.	8
50%	-.09		Mean	2.31625
75%	3.105	0	Std. dev.	7.150836
90%	18.72	1.06	Variance	51.13446
95%	18.72	5.15	Skewness	1.676133
99%	18.72	18.72	Kurtosis	4.684327

IL6_polydiff1

Percentiles		Smallest		
1%	-57.84	-57.84		
5%	-57.84	-35.99		
10%	-57.84	-.54	Obs	8
25%	-18.265	-.42	Sum of wgt.	8
50%	.045		Mean	-4.19375
75%	8.68	.51	Std. dev.	30.66135
90%	43.37	3.76	Variance	940.1183
95%	43.37	13.6	Skewness	-.3845828
99%	43.37	43.37	Kurtosis	2.683652

TNFa_polydiff1

Percentiles		Smallest		
1%	-185.05	-185.05		

5%	-185.05	-18.75		
10%	-185.05	-3.77	Obs	8
25%	-11.26	4.06	Sum of wgt.	8
50%	4.585		Mean	-7.58625
		Largest	Std. dev.	79.00871
75%	23.71	5.11		
90%	90.29	13.02	Variance	6242.376
95%	90.29	34.4	Skewness	-1.413945
99%	90.29	90.29	Kurtosis	4.554124

IFNg_polydiff1

	Percentiles	Smallest		
1%	-3.97	-3.97		
5%	-3.97	-1.71		
10%	-3.97	-1.33	Obs	8
25%	-1.52	0	Sum of wgt.	8
50%	0		Mean	15.61125
		Largest	Std. dev.	44.42396
75%	3.3	0		
90%	125.3	0	Variance	1973.488
95%	125.3	6.6	Skewness	2.247207
99%	125.3	125.3	Kurtosis	6.089524

IL2_polydiff1

	Percentiles	Smallest		
1%	-.86	-.86		
5%	-.86	-.1		
10%	-.86	0	Obs	8
25%	-.05	0	Sum of wgt.	8
50%	0		Mean	2.78875
		Largest	Std. dev.	7.893588
75%	.49	0		
90%	22.29	.1	Variance	62.30873
95%	22.29	.88	Skewness	2.251863
99%	22.29	22.29	Kurtosis	6.102762

IL4_polydiff1

	Percentiles	Smallest		
1%	-955.57	-955.57		
5%	-955.57	-45.53		
10%	-955.57	-20.25	Obs	8
25%	-32.89	-5.79	Sum of wgt.	8
50%	-1.735		Mean	-84.43125
		Largest	Std. dev.	363.9091
75%	48.735	2.32		
90%	251.9	38.78	Variance	132429.8
95%	251.9	58.69	Skewness	-1.954569
99%	251.9	251.9	Kurtosis	5.487553

GMCSF_polydiff1

	Percentiles	Smallest		
1%	-.47	-.47		
5%	-.47	-.1		
10%	-.47	0	Obs	8
25%	-.05	.2	Sum of wgt.	8
50%	.475		Mean	13.6875
		Largest	Std. dev.	36.83259
75%	2.155	.75		
90%	104.81	2.11	Variance	1356.64
95%	104.81	2.2	Skewness	2.264465
99%	104.81	104.81	Kurtosis	6.134438

IL8_C6

Percentiles		Smallest		
1%	48.72	48.72		
5%	48.72	51.26		
10%	49.99	92.53	Obs	10
25%	92.53	120.76	Sum of wgt.	10
50%	284.995		Mean	1933.608
		Largest	Std. dev.	3781.938
75%	1120.32	690.24		
90%	8321.13	1120.32	Variance	1.43e+07
95%	11905.25	4737.01	Skewness	2.11422
99%	11905.25	11905.25	Kurtosis	6.043293

IL10_C6

Percentiles		Smallest		
1%	.72	.72		
5%	.72	2.02		
10%	1.37	2.34	Obs	10
25%	2.34	2.91	Sum of wgt.	10
50%	4.685		Mean	17.161
		Largest	Std. dev.	38.54062
75%	9.74	6.6		
90%	68.955	9.74	Variance	1485.379
95%	126.41	11.5	Skewness	2.627273
99%	126.41	126.41	Kurtosis	7.986664

IL6_C6

Percentiles		Smallest		
1%	3.3	3.3		
5%	3.3	3.83		
10%	3.565	8.45	Obs	10
25%	8.45	11.73	Sum of wgt.	10
50%	21.95		Mean	622.15
		Largest	Std. dev.	1801.948
75%	133.19	69.3		
90%	2973.9	133.19	Variance	3247017
95%	5747.16	200.64	Skewness	2.660061
99%	5747.16	5747.16	Kurtosis	8.090277

TNFa_C6

Percentiles		Smallest		
1%	13.31	13.31		
5%	13.31	13.67		
10%	13.49	15.88	Obs	10
25%	15.88	19.87	Sum of wgt.	10
50%	31.035		Mean	388.95
		Largest	Std. dev.	961.0799
75%	171.4	45.13		
90%	1774.085	171.4	Variance	923674.6
95%	3096.34	451.83	Skewness	2.571999
99%	3096.34	3096.34	Kurtosis	7.792984

IFNg_C6

Percentiles		Smallest		
1%	.54	.54		
5%	.54	.9		
10%	.72	1.51	Obs	10
25%	1.51	1.82	Sum of wgt.	10
50%	3.49		Mean	2.856
		Largest	Std. dev.	1.536245
75%	3.97	3.97		
90%	4.435	3.97	Variance	2.360049
95%	4.9	3.97	Skewness	-.3031233
99%	4.9	4.9	Kurtosis	1.583908

IL2_C6				
Percentiles		Smallest		
1%	.12	.12		
5%	.12	.14		
10%	.13	.47	Obs	10
25%	.47	.7	Sum of wgt.	10
50%	1.38		Mean	1.715
		Largest	Std. dev.	1.390669
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.933961
95%	3.24	3.24	Skewness	.1261048
99%	3.24	3.24	Kurtosis	1.253337

IL4_C6				
Percentiles		Smallest		
1%	29.23	29.23		
5%	29.23	37.99		
10%	33.61	67.39	Obs	10
25%	67.39	101.05	Sum of wgt.	10
50%	261		Mean	420.561
		Largest	Std. dev.	524.5117
75%	337.71	331.68		
90%	1389.28	337.71	Variance	275112.5
95%	1401.79	1376.77	Skewness	1.309815
99%	1401.79	1401.79	Kurtosis	2.995356

GMCSF_C6				
Percentiles		Smallest		
1%	.72	.72		
5%	.72	.83		
10%	.775	1.41	Obs	10
25%	1.41	2.24	Sum of wgt.	10
50%	2.83		Mean	2.59
		Largest	Std. dev.	1.31979
75%	3.28	3.28		
90%	4.24	3.28	Variance	1.741844
95%	4.81	3.67	Skewness	-.0254666
99%	4.81	4.81	Kurtosis	2.038967

IL8_LPS6				
Percentiles		Smallest		
1%	882.22	882.22		
5%	882.22	1520.86		
10%	1201.54	1950.57	Obs	10
25%	1950.57	2874.9	Sum of wgt.	10
50%	8837.155		Mean	7146.488
		Largest	Std. dev.	4815.306
75%	11987.39	9546.09		
90%	12514.27	11987.39	Variance	2.32e+07
95%	12580.89	12447.65	Skewness	-.2052225
99%	12580.89	12580.89	Kurtosis	1.346511

IL10_LPS6				
Percentiles		Smallest		
1%	6.75	6.75		
5%	6.75	10.4		
10%	8.575	12.42	Obs	10
25%	12.42	14.69	Sum of wgt.	10
50%	56.005		Mean	336.429
		Largest	Std. dev.	788.8185
75%	161.11	76.26		
90%	1485.325	161.11	Variance	622234.6
95%	2553.26	417.39	Skewness	2.550801

99% **2553.26** **2553.26** Kurtosis **7.720846**

IL6_LPS6

	Percentiles	Smallest		
1%	109.29	109.29		
5%	109.29	162.85		
10%	136.07	267.51	Obs	10
25%	267.51	492.32	Sum of wgt.	10
50%	1449.875		Mean	3395.235
		Largest	Std. dev.	3959.691
75%	6013.35	4329.26		
90%	9839.01	6013.35	Variance	1.57e+07
95%	10834.09	8843.93	Skewness	.8401019
99%	10834.09	10834.09	Kurtosis	2.231552

TNFa_LPS6

	Percentiles	Smallest		
1%	247.02	247.02		
5%	247.02	327.83		
10%	287.425	542.25	Obs	10
25%	542.25	581.69	Sum of wgt.	10
50%	1614.535		Mean	4411.371
		Largest	Std. dev.	6108.372
75%	5604.61	2683.63		
90%	15448.81	5604.61	Variance	3.73e+07
95%	17478.93	13418.68	Skewness	1.366314
99%	17478.93	17478.93	Kurtosis	3.272454

IFNg_LPS6

	Percentiles	Smallest		
1%	.38	.38		
5%	.38	.54		
10%	.46	.9	Obs	10
25%	.9	1.51	Sum of wgt.	10
50%	3.015		Mean	5.485
		Largest	Std. dev.	8.987712
75%	3.97	3.97		
90%	18.775	3.97	Variance	80.77896
95%	30.38	7.17	Skewness	2.416803
99%	30.38	30.38	Kurtosis	7.306402

IL2_LPS6

	Percentiles	Smallest		
1%	.08	.08		
5%	.08	.09		
10%	.085	.65	Obs	10
25%	.65	.65	Sum of wgt.	10
50%	1.435		Mean	1.73
		Largest	Std. dev.	1.387876
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.9262
95%	3.24	3.24	Skewness	.0891822
99%	3.24	3.24	Kurtosis	1.276952

IL4_LPS6

	Percentiles	Smallest		
1%	37.13	37.13		
5%	37.13	48.89		
10%	43.01	66.23	Obs	10
25%	66.23	142.75	Sum of wgt.	10
50%	252.56		Mean	464.72
		Largest	Std. dev.	536.6427
75%	562.65	441.61		

90%	1421.41	562.65	Variance	287985.4
95%	1548.95	1293.87	Skewness	1.192115
99%	1548.95	1548.95	Kurtosis	2.91895

GMCSF_LPS6

Percentiles		Smallest		
1%	.95	.95		
5%	.95	1.01		
10%	.98	1.55	Obs	10
25%	1.55	1.82	Sum of wgt.	10
50%	2.115		Mean	5.98
		Largest	Std. dev.	11.3181
75%	3.28	3.28		
90%	21.84	3.28	Variance	128.0993
95%	37.94	5.74	Skewness	2.591607
99%	37.94	37.94	Kurtosis	7.868333

IL8_poly6

Percentiles		Smallest		
1%	55.81	55.81		
5%	55.81	76.33		
10%	66.07	116.21	Obs	10
25%	116.21	176.28	Sum of wgt.	10
50%	324.86		Mean	3421.574
		Largest	Std. dev.	5466.482
75%	3586.01	2593.12		
90%	13481.13	3586.01	Variance	2.99e+07
95%	14635.77	12326.49	Skewness	1.369766
99%	14635.77	14635.77	Kurtosis	3.148422

IL10_poly6

Percentiles		Smallest		
1%	2.68	2.68		
5%	2.68	2.91		
10%	2.795	3.05	Obs	10
25%	3.05	4.31	Sum of wgt.	10
50%	7.43		Mean	299.202
		Largest	Std. dev.	911.7427
75%	10.4	7.59		
90%	1473.11	10.4	Variance	831274.8
95%	2893.72	52.5	Skewness	2.665339
99%	2893.72	2893.72	Kurtosis	8.106934

IL6_poly6

Percentiles		Smallest		
1%	3.39	3.39		
5%	3.39	5.3		
10%	4.345	8.71	Obs	10
25%	8.71	24.44	Sum of wgt.	10
50%	50.095		Mean	1198.084
		Largest	Std. dev.	3322.44
75%	116.76	84.99		
90%	5818.53	116.76	Variance	1.10e+07
95%	10612.46	1024.6	Skewness	2.625115
99%	10612.46	10612.46	Kurtosis	7.973424

TNFa_poly6

Percentiles		Smallest		
1%	15.48	15.48		
5%	15.48	17.16		
10%	16.32	17.33	Obs	10
25%	17.33	18.86	Sum of wgt.	10
50%	132.61		Mean	2290.189

		Largest	Std. dev.	6447.855
75%	308.62	235.33		
90%	11011.94	308.62	Variance	4.16e+07
95%	20601.05	1422.84	Skewness	2.645559
99%	20601.05	20601.05	Kurtosis	8.042661

IFNg_poly6

	Percentiles	Smallest		
1%	1.27	1.27		
5%	1.27	1.51		
10%	1.39	1.51	Obs	10
25%	1.51	3.97	Sum of wgt.	10
50%	3.97		Mean	3.816
		Largest	Std. dev.	1.862741
75%	4.88	4.63		
90%	6.225	4.88	Variance	3.469804
95%	6.79	5.66	Skewness	-.1213963
99%	6.79	6.79	Kurtosis	1.949187

IL2_poly6

	Percentiles	Smallest		
1%	.04	.04		
5%	.04	.16		
10%	.1	.35	Obs	10
25%	.35	.64	Sum of wgt.	10
50%	1.13		Mean	1.641
		Largest	Std. dev.	1.421341
75%	3.24	3.24		
90%	3.24	3.24	Variance	2.02021
95%	3.24	3.24	Skewness	.227139
99%	3.24	3.24	Kurtosis	1.254133

IL4_poly6

	Percentiles	Smallest		
1%	43.11	43.11		
5%	43.11	48.89		
10%	46	49.34	Obs	10
25%	49.34	106.1	Sum of wgt.	10
50%	234.135		Mean	442.355
		Largest	Std. dev.	549.0168
75%	407.39	398.9		
90%	1450.775	407.39	Variance	301419.4
95%	1472.43	1429.12	Skewness	1.27982
99%	1472.43	1472.43	Kurtosis	2.942487

GMCSF_poly6

	Percentiles	Smallest		
1%	.93	.93		
5%	.93	1.44		
10%	1.185	1.51	Obs	10
25%	1.51	1.72	Sum of wgt.	10
50%	2.83		Mean	9.267
		Largest	Std. dev.	21.26726
75%	3.28	3.28		
90%	37.425	3.28	Variance	452.2962
95%	69.69	5.16	Skewness	2.649546
99%	69.69	69.69	Kurtosis	8.057295

IL8_Cdiff2

	Percentiles	Smallest		
1%	-360.15	-360.15		
5%	-360.15	-13.45		
10%	-360.15	-10.68	Obs	8
25%	-12.065	35.8	Sum of wgt.	8

50%	99.76		Mean	644.1213
		Largest	Std. dev.	1525.658
75%	494.99	163.72		
90%	4347.75	319.61	Variance	2327633
95%	4347.75	670.37	Skewness	2.101005
99%	4347.75	4347.75	Kurtosis	5.717786

IL10_Cdiff2

Percentiles		Smallest		
1%	-17.3	-17.3		
5%	-17.3	-4.68		
10%	-17.3	-1.34	Obs	8
25%	-3.01	0	Sum of wgt.	8
50%	.285		Mean	-.48
		Largest	Std. dev.	8.231023
75%	4.945	.57		
90%	9.02	1.59	Variance	67.74974
95%	9.02	8.3	Skewness	-.9007313
99%	9.02	9.02	Kurtosis	3.359847

IL6_Cdiff2

Percentiles		Smallest		
1%	-9.94	-9.94		
5%	-9.94	-1.9		
10%	-9.94	6.52	Obs	8
25%	2.31	7.42	Sum of wgt.	8
50%	13.23		Mean	46.98
		Largest	Std. dev.	76.69758
75%	77.14	19.04		
90%	200.42	21.45	Variance	5882.518
95%	200.42	132.83	Skewness	1.278668
99%	200.42	200.42	Kurtosis	2.977127

TNFa_Cdiff2

Percentiles		Smallest		
1%	-35.91	-35.91		
5%	-35.91	-14.55		
10%	-35.91	-.08	Obs	8
25%	-7.315	2.52	Sum of wgt.	8
50%	15.645		Mean	76.55875
		Largest	Std. dev.	160.0361
75%	92.83	28.77		
90%	446.06	31.06	Variance	25611.54
95%	446.06	154.6	Skewness	1.776768
99%	446.06	446.06	Kurtosis	4.724298

IFNg_Cdiff2

Percentiles		Smallest		
1%	-125.1	-125.1		
5%	-125.1	-.92		
10%	-125.1	-.73	Obs	8
25%	-.825	0	Sum of wgt.	8
50%	0		Mean	-15.6125
		Largest	Std. dev.	44.24461
75%	.46	0		
90%	.93	0	Variance	1957.586
95%	.93	.92	Skewness	-2.266766
99%	.93	.93	Kurtosis	6.140285

IL2_Cdiff2

Percentiles		Smallest		
1%	-27.22	-27.22		
5%	-27.22	0		

10%	-27.22	0	Obs	8
25%	0	0	Sum of wgt.	8
50%	0		Mean	-3.3525
		Largest	Std. dev.	9.644188
75%	.105	0		
90%	.19	.1	Variance	93.01036
95%	.19	.11	Skewness	-2.26754
99%	.19	.19	Kurtosis	6.142237

IL4_Cdiff2

Percentiles		Smallest		
1%	-141.01	-141.01		
5%	-141.01	35.19		
10%	-141.01	62.47	Obs	8
25%	48.83	73.86	Sum of wgt.	8
50%	119.57		Mean	364.7188
		Largest	Std. dev.	537.2585
75%	673.395	165.28		
90%	1375.17	335.11	Variance	288646.7
95%	1375.17	1011.68	Skewness	1.060795
99%	1375.17	1375.17	Kurtosis	2.570852

GMCSF_Cdiff2

Percentiles		Smallest		
1%	-112.17	-112.17		
5%	-112.17	0		
10%	-112.17	0	Obs	8
25%	0	0	Sum of wgt.	8
50%	.35		Mean	-13.15125
		Largest	Std. dev.	40.02602
75%	1.515	.7		
90%	3.23	.97	Variance	1602.082
95%	3.23	2.06	Skewness	-2.26405
99%	3.23	3.23	Kurtosis	6.133534

IL8_LPSdiff2

Percentiles		Smallest		
1%	-12196.1	-12196.1		
5%	-12196.1	-6749.59		
10%	-12196.1	-5905.07	Obs	8
25%	-6327.33	-1241.56	Sum of wgt.	8
50%	3.215		Mean	-455.5938
		Largest	Std. dev.	7389.08
75%	6549.615	1247.99		
90%	8100.35	6259.05	Variance	5.46e+07
95%	8100.35	6840.18	Skewness	-.267864
99%	8100.35	8100.35	Kurtosis	1.735325

IL10_LPSdiff2

Percentiles		Smallest		
1%	-256.79	-256.79		
5%	-256.79	-7.11		
10%	-256.79	-2.66	Obs	8
25%	-4.885	-1.65	Sum of wgt.	8
50%	5.15		Mean	332.1875
		Largest	Std. dev.	890.0121
75%	210.91	11.95		
90%	2491.94	33.76	Variance	792121.6
95%	2491.94	388.06	Skewness	2.100591
99%	2491.94	2491.94	Kurtosis	5.707496

IL6_LPSdiff2

Percentiles		Smallest		
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1%	-15371.35	-15371.35		
5%	-15371.35	-879.99		
10%	-15371.35	-409.4	Obs	8
25%	-644.695	-236.11	Sum of wgt.	8
50%	-192.535		Mean	-117.7625
		Largest	Std. dev.	7287.866
75%	3054.72	-148.96		
90%	9994.27	221.39	Variance	5.31e+07
95%	9994.27	5888.05	Skewness	-.9070183
99%	9994.27	9994.27	Kurtosis	3.813588

TNFa_LPSdiff2

Percentiles		Smallest		
1%	-6116.6	-6116.6		
5%	-6116.6	29.56		
10%	-6116.6	165.52	Obs	8
25%	97.54	280.83	Sum of wgt.	8
50%	310.26		Mean	1981.703
		Largest	Std. dev.	6635.659
75%	2014.195	339.69		
90%	17126.23	1473.85	Variance	4.40e+07
95%	17126.23	2554.54	Skewness	1.526088
99%	17126.23	17126.23	Kurtosis	4.795421

IFNg_LPSdiff2

Percentiles		Smallest		
1%	-154.44	-154.44		
5%	-154.44	-1.15		
10%	-154.44	-.75	Obs	8
25%	-.95	-.73	Sum of wgt.	8
50%	-.365		Mean	-18.78125
		Largest	Std. dev.	54.84459
75%	1.695	0		
90%	3.43	0	Variance	3007.929
95%	3.43	3.39	Skewness	-2.262767
99%	3.43	3.43	Kurtosis	6.130339

IL2_LPSdiff2

Percentiles		Smallest		
1%	-21.44	-21.44		
5%	-21.44	-3.16		
10%	-21.44	-.21	Obs	8
25%	-1.685	0	Sum of wgt.	8
50%	0		Mean	-2.6675
		Largest	Std. dev.	7.776056
75%	.12	0		
90%	3.23	0	Variance	60.46705
95%	3.23	.24	Skewness	-2.050868
99%	3.23	3.23	Kurtosis	5.611174

IL4_LPSdiff2

Percentiles		Smallest		
1%	-98.24	-98.24		
5%	-98.24	34.33		
10%	-98.24	45.13	Obs	8
25%	39.73	106	Sum of wgt.	8
50%	119.315		Mean	399.6775
		Largest	Std. dev.	557.4999
75%	844.37	132.63		
90%	1288.83	441.33	Variance	310806.1
95%	1288.83	1247.41	Skewness	.92642
99%	1288.83	1288.83	Kurtosis	2.111124

GMCSF_LPSdiff2

Percentiles		Smallest		
1%	-101.13	-101.13		
5%	-101.13	-6.55		
10%	-101.13	-2.33	Obs	8
25%	-4.44	0	Sum of wgt.	8
50%	0		Mean	-9.01875
		Largest	Std. dev.	39.62197
75%	.465	0		
90%	36.93	.2	Variance	1569.9
95%	36.93	.73	Skewness	-1.672036
99%	36.93	36.93	Kurtosis	5.06608

IL8_polydiff2

Percentiles		Smallest		
1%	-685.27	-685.27		
5%	-685.27	-112.17		
10%	-685.27	-7.77	Obs	8
25%	-59.97	136.37	Sum of wgt.	8
50%	144.4		Mean	2242.521
		Largest	Std. dev.	5127.039
75%	1964.205	152.43		
90%	14528.17	394.35	Variance	2.63e+07
95%	14528.17	3534.06	Skewness	2.019529
99%	14528.17	14528.17	Kurtosis	5.426202

IL10_polydiff2

Percentiles		Smallest		
1%	-14.33	-14.33		
5%	-14.33	-4.04		
10%	-14.33	-3.46	Obs	8
25%	-3.75	.67	Sum of wgt.	8
50%	.765		Mean	361.1112
		Largest	Std. dev.	1023.349
75%	7.74	.86		
90%	2893.71	7	Variance	1047243
95%	2893.71	8.48	Skewness	2.267569
99%	2893.71	2893.71	Kurtosis	6.142308

IL6_polydiff2

Percentiles		Smallest		
1%	-7.18	-7.18		
5%	-7.18	-4.68		
10%	-7.18	4.06	Obs	8
25%	-.31	8.29	Sum of wgt.	8
50%	15.965		Mean	1354.306
		Largest	Std. dev.	3740.821
75%	99.305	23.64		
90%	10611.71	82.84	Variance	1.40e+07
95%	10611.71	115.77	Skewness	2.267145
99%	10611.71	10611.71	Kurtosis	6.141234

TNFa_polydiff2

Percentiles		Smallest		
1%	-97.5	-97.5		
5%	-97.5	-55.47		
10%	-97.5	-24.12	Obs	8
25%	-39.795	1.1	Sum of wgt.	8
50%	95.355		Mean	2639.86
		Largest	Std. dev.	7251.835
75%	260.81	189.61		
90%	20583.64	220.35	Variance	5.26e+07
95%	20583.64	301.27	Skewness	2.265972
99%	20583.64	20583.64	Kurtosis	6.138275

IFNg_polydiff2

Percentiles		Smallest		
1%	-122.48	-122.48		
5%	-122.48	-6.6		
10%	-122.48	-1.37	Obs	8
25%	-3.985	-.75	Sum of wgt.	8
50%	-.375		Mean	-15.18125
		Largest	Std. dev.	43.5034
75%	2.045	0		
90%	5.66	.66	Variance	1892.546
95%	5.66	3.43	Skewness	-2.237212
99%	5.66	5.66	Kurtosis	6.065228

IL2_polydiff2

Percentiles		Smallest		
1%	-22.38	-22.38		
5%	-22.38	-.95		
10%	-22.38	0	Obs	8
25%	-.475	0	Sum of wgt.	8
50%	0		Mean	-2.4575
		Largest	Std. dev.	8.128602
75%	.35	0		
90%	2.97	.33	Variance	66.07416
95%	2.97	.37	Skewness	-2.17676
99%	2.97	2.97	Kurtosis	5.932613

IL4_polydiff2

Percentiles		Smallest		
1%	-145.62	-145.62		
5%	-145.62	34.9		
10%	-145.62	43.97	Obs	8
25%	39.435	44.97	Sum of wgt.	8
50%	91.72		Mean	392.3037
		Largest	Std. dev.	591.1737
75%	798.83	138.47		
90%	1424.08	393.98	Variance	349486.4
95%	1424.08	1203.68	Skewness	.9836417
99%	1424.08	1424.08	Kurtosis	2.272612

GMCSF_polydiff2

Percentiles		Smallest		
1%	-100.09	-100.09		
5%	-100.09	-.74		
10%	-100.09	-.62	Obs	8
25%	-.68	0	Sum of wgt.	8
50%	0		Mean	-4.00625
		Largest	Std. dev.	45.68213
75%	.36	0		
90%	68.68	0	Variance	2086.857
95%	68.68	.72	Skewness	-.8052525
99%	68.68	68.68	Kurtosis	4.241779

IL8_C12

Percentiles		Smallest		
1%	21.04	21.04		
5%	21.04	41.74		
10%	31.39	69.06	Obs	10
25%	69.06	77.97	Sum of wgt.	10
50%	208.475		Mean	231.85
		Largest	Std. dev.	195.6644
75%	367.07	309.52		
90%	507.575	367.07	Variance	38284.57

95%	616.64	398.51	Skewness	.6166557
99%	616.64	616.64	Kurtosis	2.335671

IL10_C12

Percentiles		Smallest		
1%	1.07	1.07		
5%	1.07	1.13		
10%	1.1	1.44	Obs	10
25%	1.44	1.75	Sum of wgt.	10
50%	2.725		Mean	4.379
		Largest	Std. dev.	3.992558
75%	7.57	3.59		
90%	10.895	7.57	Variance	15.94052
95%	12.38	9.41	Skewness	1.001838
99%	12.38	12.38	Kurtosis	2.538609

IL6_C12

Percentiles		Smallest		
1%	1.1	1.1		
5%	1.1	3.32		
10%	2.21	7.65	Obs	10
25%	7.65	9.23	Sum of wgt.	10
50%	11.39		Mean	30.184
		Largest	Std. dev.	44.00238
75%	18.82	12.79		
90%	113.075	18.82	Variance	1936.21
95%	116.93	109.22	Skewness	1.459553
99%	116.93	116.93	Kurtosis	3.217176

TNFa_C12

Percentiles		Smallest		
1%	12.48	12.48		
5%	12.48	13.17		
10%	12.825	15.28	Obs	10
25%	15.28	15.45	Sum of wgt.	10
50%	18.115		Mean	26.391
		Largest	Std. dev.	27.96967
75%	19.95	19.4		
90%	65.975	19.95	Variance	782.3027
95%	105.14	26.81	Skewness	2.563519
99%	105.14	105.14	Kurtosis	7.780356

IFNg_C12

Percentiles		Smallest		
1%	.54	.54		
5%	.54	.75		
10%	.645	.9	Obs	10
25%	.9	1.13	Sum of wgt.	10
50%	1.615		Mean	2.543
		Largest	Std. dev.	2.744733
75%	3.03	2.64		
90%	6.605	3.03	Variance	7.533557
95%	9.82	3.39	Skewness	2.054722
99%	9.82	9.82	Kurtosis	6.189147

IL2_C12

Percentiles		Smallest		
1%	.36	.36		
5%	.36	.55		
10%	.455	.75	Obs	10
25%	.75	.86	Sum of wgt.	10
50%	1.005		Mean	1.749
		Largest	Std. dev.	1.297891

75%	3.24	3.24		
90%	3.24	3.24	Variance	1.684521
95%	3.24	3.24	Skewness	.3384649
99%	3.24	3.24	Kurtosis	1.209975

IL4_C12

Percentiles		Smallest		
1%	7.23	7.23		
5%	7.23	54.64		
10%	30.935	115.94	Obs	10
25%	115.94	155.34	Sum of wgt.	10
50%	176.625		Mean	610.974
		Largest	Std. dev.	958.8811
75%	442.85	192.29		
90%	2394.1	442.85	Variance	919453.1
95%	2716.56	2071.64	Skewness	1.541079
99%	2716.56	2716.56	Kurtosis	3.598723

GMCSF_C12

Percentiles		Smallest		
1%	.72	.72		
5%	.72	.72		
10%	.72	.91	Obs	10
25%	.91	1.41	Sum of wgt.	10
50%	2.515		Mean	3.148
		Largest	Std. dev.	3.063973
75%	3.28	3.28		
90%	8.065	3.28	Variance	9.387929
95%	10.74	5.39	Skewness	1.632974
99%	10.74	10.74	Kurtosis	4.839751

IL8_LPS12

Percentiles		Smallest		
1%	355.26	355.26		
5%	355.26	3607.96		
10%	1981.61	3811.39	Obs	10
25%	3811.39	6967.33	Sum of wgt.	10
50%	8843.13		Mean	7985.162
		Largest	Std. dev.	4252.123
75%	11304.15	10526.78		
90%	12796.24	11304.15	Variance	1.81e+07
95%	13372.03	12220.46	Skewness	-.4764164
99%	13372.03	13372.03	Kurtosis	2.036875

IL10_LPS12

Percentiles		Smallest		
1%	10.72	10.72		
5%	10.72	15.01		
10%	12.865	29.36	Obs	10
25%	29.36	36.76	Sum of wgt.	10
50%	90.525		Mean	89.733
		Largest	Std. dev.	66.61079
75%	139.75	138.99		
90%	172.845	139.75	Variance	4436.997
95%	189.12	156.57	Skewness	.0996203
99%	189.12	189.12	Kurtosis	1.403616

IL6_LPS12

Percentiles		Smallest		
1%	132.78	132.78		
5%	132.78	409.96		
10%	271.37	427.24	Obs	10
25%	427.24	531.68	Sum of wgt.	10

50%	2632.435		Mean	3847.721
75%	5772.16	Largest	Std. dev.	4457.512
90%	10610.94	4716.64		
95%	14170.23	5772.16	Variance	1.99e+07
99%	14170.23	7051.65	Skewness	1.250608
		14170.23	Kurtosis	3.796668

TNFa_LPS12

	Percentiles	Smallest		
1%	19.75	19.75		
5%	19.75	293.55		
10%	156.65	360.75	Obs	10
25%	360.75	512.16	Sum of wgt.	10
50%	2304.005		Mean	3508.553
75%	5513.74	Largest	Std. dev.	3996.673
90%	9351.01	5075.55		
95%	12665.37	5513.74	Variance	1.60e+07
99%	12665.37	6036.65	Skewness	1.189964
		12665.37	Kurtosis	3.65756

IFNg_LPS12

	Percentiles	Smallest		
1%	1.51	1.51		
5%	1.51	1.62		
10%	1.565	1.96	Obs	10
25%	1.96	2.64	Sum of wgt.	10
50%	3.305		Mean	4.869
75%	4.88	Largest	Std. dev.	4.365103
90%	12.655	4.16		
95%	14.74	4.88	Variance	19.05412
99%	14.74	10.57	Skewness	1.446244
		14.74	Kurtosis	3.71019

IL2_LPS12

	Percentiles	Smallest		
1%	.06	.06		
5%	.06	.17		
10%	.115	.31	Obs	10
25%	.31	.56	Sum of wgt.	10
50%	.805		Mean	1.378
75%	3.24	Largest	Std. dev.	1.336278
90%	3.24	1.35		
95%	3.24	3.24	Variance	1.78564
99%	3.24	3.24	Skewness	.6460699
		3.24	Kurtosis	1.672073

IL4_LPS12

	Percentiles	Smallest		
1%	21.13	21.13		
5%	21.13	41.46		
10%	31.295	110.16	Obs	10
25%	110.16	126.34	Sum of wgt.	10
50%	184.635		Mean	661.247
75%	424.51	Largest	Std. dev.	1056.385
90%	2581.35	356.9		
95%	3165.15	424.51	Variance	1115949
99%	3165.15	1997.55	Skewness	1.689302
		3165.15	Kurtosis	4.272952

GMCSF_LPS12

	Percentiles	Smallest		
1%	.45	.45		
5%	.45	.72		
10%	.585	2.06	Obs	10

25%	2.06	2.12	Sum of wgt.	10
50%	2.76		Mean	4.61
75%	5.11	4.05	Std. dev.	5.385794
90%	13.035	5.11	Variance	29.00678
95%	18.78	7.29	Skewness	2.01357
99%	18.78	18.78	Kurtosis	6.017621

IL8_poly12

Percentiles	Smallest		
1%	3.21	3.21	
5%	3.21	25.23	
10%	14.22	51.41	Obs
25%	51.41	67.87	Sum of wgt.
			10
50%	299.86		Mean
			953.37
		Largest	Std. dev.
			2378.333
75%	316.16	314.38	
90%	4077.86	316.16	Variance
95%	7707.78	447.94	Skewness
99%	7707.78	7707.78	Kurtosis
			8.044952

IL10_poly12

Percentiles	Smallest		
1%	1.41	1.41	
5%	1.41	1.44	
10%	1.425	1.44	Obs
25%	1.44	2.48	Sum of wgt.
			10
50%	3.165		Mean
			8.287
		Largest	Std. dev.
			14.12105
75%	7.93	3.59	
90%	29.125	7.93	Variance
95%	47.52	10.73	Skewness
99%	47.52	47.52	Kurtosis
			7.386224

IL6_poly12

Percentiles	Smallest		
1%	.89	.89	
5%	.89	2.73	
10%	1.81	3.23	Obs
25%	3.23	6.1	Sum of wgt.
			10
50%	8.605		Mean
			310.01
		Largest	Std. dev.
			919.7138
75%	16.89	15.49	
90%	1518.78	16.89	Variance
95%	2925.87	111.69	Skewness
99%	2925.87	2925.87	Kurtosis
			8.090886

TNFa_poly12

Percentiles	Smallest		
1%	.49	.49	
5%	.49	3.36	
10%	1.925	13.98	Obs
25%	13.98	15.79	Sum of wgt.
			10
50%	17.77		Mean
			284.965
		Largest	Std. dev.
			851.049
75%	24.94	20.19	
90%	1367.68	24.94	Variance
95%	2706.97	28.39	Skewness
99%	2706.97	2706.97	Kurtosis
			8.109533

IFNg_poly12

Percentiles	Smallest		
1%	1.27	1.27	

5%	1.27	2.26		
10%	1.765	2.64	Obs	10
25%	2.64	3.97	Sum of wgt.	10
50%	3.97		Mean	4.869
		Largest	Std. dev.	3.958674
75%	3.97	3.97		
90%	11.335	3.97	Variance	15.6711
95%	15.12	7.55	Skewness	1.920771
99%	15.12	15.12	Kurtosis	5.698783

IL2_poly12

	Percentiles	Smallest		
1%	.14	.14		
5%	.14	.22		
10%	.18	.56	Obs	10
25%	.56	.63	Sum of wgt.	10
50%	1.02		Mean	1.535
		Largest	Std. dev.	1.295173
75%	3.24	2.04		
90%	3.24	3.24	Variance	1.677472
95%	3.24	3.24	Skewness	.422804
99%	3.24	3.24	Kurtosis	1.498396

IL4_poly12

	Percentiles	Smallest		
1%	2.6	2.6		
5%	2.6	31.12		
10%	16.86	32.7	Obs	10
25%	32.7	90.76	Sum of wgt.	10
50%	168.51		Mean	657.407
		Largest	Std. dev.	1117.309
75%	445.01	196.61		
90%	2719.125	445.01	Variance	1248379
95%	3201.78	2236.47	Skewness	1.605094
99%	3201.78	3201.78	Kurtosis	3.872372

GMCSF_poly12

	Percentiles	Smallest		
1%	.32	.32		
5%	.32	.62		
10%	.47	1.14	Obs	10
25%	1.14	1.21	Sum of wgt.	10
50%	2.31		Mean	3.721
		Largest	Std. dev.	4.807615
75%	3.28	3.28		
90%	11.37	3.28	Variance	23.11317
95%	16.4	6.34	Skewness	2.045068
99%	16.4	16.4	Kurtosis	6.062282

IL8_Cdiff3

	Percentiles	Smallest		
1%	-11836.19	-11836.19		
5%	-11836.19	-4120.37		
10%	-7978.28	-753.25	Obs	10
25%	-753.25	-612.27	Sum of wgt.	10
50%	-253.605		Mean	-1701.758
		Largest	Std. dev.	3791.795
75%	188.76	80.54		
90%	271.205	188.76	Variance	1.44e+07
95%	305.98	236.43	Skewness	-2.188949
99%	305.98	305.98	Kurtosis	6.358874

IL10_Cdiff3

	Percentiles	Smallest		
1%	-125.34	-125.34		
5%	-125.34	-9.75		
10%	-67.545	-1.47	Obs	10
25%	-1.47	-1.21	Sum of wgt.	10
50%	-.395		Mean	-12.782
		Largest	Std. dev.	39.74568
75%	1.37	1.34		
90%	4.015	1.37	Variance	1579.719
95%	5.78	2.25	Skewness	-2.618544
99%	5.78	5.78	Kurtosis	7.957117

IL6_Cdiff3

	Percentiles	Smallest		
1%	-5728.34	-5728.34		
5%	-5728.34	-192.99		
10%	-2960.665	-16.26	Obs	10
25%	-16.26	-15.41	Sum of wgt.	10
50%	-4.825		Mean	-591.966
		Largest	Std. dev.	1805.826
75%	.02	-1.29		
90%	22.13	.02	Variance	3261006
95%	39.92	4.34	Skewness	-2.660742
99%	39.92	39.92	Kurtosis	8.092269

TNFa_Cdiff3

	Percentiles	Smallest		
1%	-3083.17	-3083.17		
5%	-3083.17	-433.31		
10%	-1758.24	-66.26	Obs	10
25%	-66.26	-27.42	Sum of wgt.	10
50%	-10.955		Mean	-362.559
		Largest	Std. dev.	965.2135
75%	1.61	-3.4		
90%	4.135	1.61	Variance	931637
95%	6.64	1.63	Skewness	-2.578052
99%	6.64	6.64	Kurtosis	7.809953

IFNg_Cdiff3

	Percentiles	Smallest		
1%	-3.43	-3.43		
5%	-3.43	-3.07		
10%	-3.25	-2.84	Obs	10
25%	-2.84	-2.01	Sum of wgt.	10
50%	-1.135		Mean	-.313
		Largest	Std. dev.	3.114336
75%	.82	.73		
90%	4.47	.82	Variance	9.69909
95%	6.81	2.13	Skewness	1.180674
99%	6.81	6.81	Kurtosis	3.695661

IL2_Cdiff3

	Percentiles	Smallest		
1%	-2.88	-2.88		
5%	-2.88	-.89		
10%	-1.885	0	Obs	10
25%	0	0	Sum of wgt.	10
50%	.025		Mean	.034
		Largest	Std. dev.	1.462602
75%	.25	.08		
90%	1.865	.25	Variance	2.139204
95%	3.12	.61	Skewness	.1518873
99%	3.12	3.12	Kurtosis	4.414688

IL4_Cdiff3

Percentiles		Smallest		
1%	-170.62	-170.62		
5%	-170.62	-145.52		
10%	-158.07	-47.07	Obs	10
25%	-47.07	-22	Sum of wgt.	10
50%	32.6		Mean	190.413
		Largest	Std. dev.	462.8453
75%	123.26	91.24		
90%	1004.82	123.26	Variance	214225.8
95%	1314.77	694.87	Skewness	1.692011
99%	1314.77	1314.77	Kurtosis	4.571268

GMCSF_Cdiff3

Percentiles		Smallest		
1%	-.83	-.83		
5%	-.83	-.63		
10%	-.73	-.5	Obs	10
25%	-.5	-.11	Sum of wgt.	10
50%	0		Mean	.558
		Largest	Std. dev.	2.009908
75%	0	0		
90%	3.825	0	Variance	4.039729
95%	5.93	1.72	Skewness	2.164694
99%	5.93	5.93	Kurtosis	6.371061

IL8_LPSdiff3

Percentiles		Smallest		
1%	-9190.83	-9190.83		
5%	-9190.83	-8379.43		
10%	-8785.13	-2901.15	Obs	10
25%	-2901.15	-2054.11	Sum of wgt.	10
50%	150.43		Mean	838.674
		Largest	Std. dev.	6890.311
75%	5446.47	4473.11		
90%	10345.91	5446.47	Variance	4.75e+07
95%	11338.24	9353.58	Skewness	.0174697
99%	11338.24	11338.24	Kurtosis	1.952325

IL10_LPSdiff3

Percentiles		Smallest		
1%	-2396.69	-2396.69		
5%	-2396.69	-402.38		
10%	-1399.535	-49.55	Obs	10
25%	-49.55	-36.08	Sum of wgt.	10
50%	21.65		Mean	-246.696
		Largest	Std. dev.	770.7656
75%	62.73	49.27		
90%	131.22	62.73	Variance	594079.6
95%	174.43	88.01	Skewness	-2.48585
99%	174.43	174.43	Kurtosis	7.500711

IL6_LPSdiff3

Percentiles		Smallest		
1%	-5880.57	-5880.57		
5%	-5880.57	-4439.74		
10%	-5160.155	-3782.44	Obs	10
25%	-3782.44	142.45	Sum of wgt.	10
50%	343.155		Mean	452.486
		Largest	Std. dev.	4669.113
75%	2449.33	368.83		
90%	7490.345	2449.33	Variance	2.18e+07
95%	9840.97	5139.72	Skewness	.5654137

99% **9840.97** **9840.97** Kurtosis **2.797907**

TNFa_LPSdiff3

	Percentiles	Smallest		
1%	-11442.28	-11442.28		
5%	-11442.28	-7904.94		
10%	-9673.61	-2663.88	Obs	10
25%	-2663.88	-248.7	Sum of wgt.	10
50%	-18.305		Mean	-902.818
		Largest	Std. dev.	5351.63
75%	2185.86	884.63		
90%	5098.87	2185.86	Variance	2.86e+07
95%	7060.76	3136.98	Skewness	-.6965014
99%	7060.76	7060.76	Kurtosis	2.881343

IFNg_LPSdiff3

	Percentiles	Smallest		
1%	-26.22	-26.22		
5%	-26.22	-2.01		
10%	-14.115	-1.33	Obs	10
25%	-1.33	1.08	Sum of wgt.	10
50%	1.435		Mean	-.616
		Largest	Std. dev.	9.515486
75%	2.46	2.24		
90%	7.375	2.46	Variance	90.54447
95%	7.57	7.18	Skewness	-2.132894
99%	7.57	7.57	Kurtosis	6.598146

IL2_LPSdiff3

	Percentiles	Smallest		
1%	-3.07	-3.07		
5%	-3.07	-.96		
10%	-2.015	-.3	Obs	10
25%	-.3	-.09	Sum of wgt.	10
50%	-.015		Mean	-.352
		Largest	Std. dev.	1.040799
75%	0	0		
90%	.465	0	Variance	1.083262
95%	.7	.23	Skewness	-1.948838
99%	.7	.7	Kurtosis	5.903546

IL4_LPSdiff3

	Percentiles	Smallest		
1%	-406.36	-406.36		
5%	-406.36	-228.63		
10%	-317.495	-70.05	Obs	10
25%	-70.05	-45.1	Sum of wgt.	10
50%	40.89		Mean	196.527
		Largest	Std. dev.	578.0406
75%	214.15	99.6		
90%	1159.94	214.15	Variance	334130.9
95%	1616.2	703.68	Skewness	1.608802
99%	1616.2	1616.2	Kurtosis	4.75851

GMCSF_LPSdiff3

	Percentiles	Smallest		
1%	-30.65	-30.65		
5%	-30.65	-2.83		
10%	-16.74	-.29	Obs	10
25%	-.29	0	Sum of wgt.	10
50%	.465		Mean	-1.37
		Largest	Std. dev.	11.12154
75%	1.99	1.17		

90%	7.99	1.99	Variance	123.6886
95%	13.04	2.94	Skewness	-1.86993
99%	13.04	13.04	Kurtosis	6.283521

IL8_polydiff3

Percentiles		Smallest		
1%	-14323.09	-14323.09		
5%	-14323.09	-12258.62		
10%	-13290.85	-3582.8	Obs	10
25%	-3582.8	-2278.74	Sum of wgt.	10
50%	-258.505		Mean	-2468.204
		Largest	Std. dev.	6416.362
75%	210.71	83.81		
90%	3991.85	210.71	Variance	4.12e+07
95%	7591.57	392.13	Skewness	-.6681005
99%	7591.57	7591.57	Kurtosis	2.869148

IL10_polydiff3

Percentiles		Smallest		
1%	-2882.99	-2882.99		
5%	-2882.99	-51.09		
10%	-1467.04	-7.2	Obs	10
25%	-7.2	-4.81	Sum of wgt.	10
50%	-2.24		Mean	-290.915
		Largest	Std. dev.	911.0194
75%	.36	.22		
90%	20.42	.36	Variance	829956.4
95%	39.93	.91	Skewness	-2.663851
99%	39.93	39.93	Kurtosis	8.10233

IL6_polydiff3

Percentiles		Smallest		
1%	-10500.77	-10500.77		
5%	-10500.77	-1009.11		
10%	-5754.94	-110.66	Obs	10
25%	-110.66	-81.76	Sum of wgt.	10
50%	-13.72		Mean	-888.074
		Largest	Std. dev.	3520.918
75%	-1.56	-4.41		
90%	1427.485	-1.56	Variance	1.24e+07
95%	2855.63	-.66	Skewness	-2.230803
99%	2855.63	2855.63	Kurtosis	7.020036

TNFa_polydiff3

Percentiles		Smallest		
1%	-20572.66	-20572.66		
5%	-20572.66	-1422.35		
10%	-10997.5	-291.2	Obs	10
25%	-291.2	-231.97	Sum of wgt.	10
50%	-113.455		Mean	-2005.224
		Largest	Std. dev.	6603.581
75%	-3.07	-3.18		
90%	1349.55	-3.07	Variance	4.36e+07
95%	2691.49	7.61	Skewness	-2.541569
99%	2691.49	2691.49	Kurtosis	7.753852

IFNg_polydiff3

Percentiles		Smallest		
1%	-2.7	-2.7		
5%	-2.7	-1.99		
10%	-2.345	-.91	Obs	10
25%	-.91	0	Sum of wgt.	10
50%	.375		Mean	1.053

		Largest	Std. dev.	3.12437
75%	2.46	1.89		
90%	5.515	2.46	Variance	9.76169
95%	8.33	2.7	Skewness	1.160591
99%	8.33	8.33	Kurtosis	4.038873

IL2_polydiff3

Percentiles		Smallest		
1%	-1.95	-1.95		
5%	-1.95	-.51		
10%	-1.23	-.44	Obs	10
25%	-.44	-.13	Sum of wgt.	10
50%	-.015		Mean	-.106
		Largest	Std. dev.	.9522628
75%	0	0		
90%	1	0	Variance	.9068044
95%	2	0	Skewness	.4031381
99%	2	2	Kurtosis	4.695265

IL4_polydiff3

Percentiles		Smallest		
1%	-218.26	-218.26		
5%	-218.26	-210.78		
10%	-214.52	-103.5	Obs	10
25%	-103.5	-86.57	Sum of wgt.	10
50%	-14.315		Mean	215.052
		Largest	Std. dev.	607.9105
75%	154.07	107.49		
90%	1268.35	154.07	Variance	369555.1
95%	1729.35	807.35	Skewness	1.791442
99%	1729.35	1729.35	Kurtosis	4.948157

GMCSF_polydiff3

Percentiles		Smallest		
1%	-63.35	-63.35		
5%	-63.35	-1.1		
10%	-32.225	-1.04	Obs	10
25%	-1.04	-.61	Sum of wgt.	10
50%	-.3		Mean	-5.546
		Largest	Std. dev.	20.64198
75%	0	0		
90%	5.62	0	Variance	426.0914
95%	11.24	0	Skewness	-2.494277
99%	11.24	11.24	Kurtosis	7.649632

IL8_Cdiff4

Percentiles		Smallest		
1%	-6102.96	-6102.96		
5%	-6102.96	-2910.86		
10%	-4506.91	-2319.43	Obs	10
25%	-2319.43	-1867.46	Sum of wgt.	10
50%	-1003.985		Mean	-1568.906
		Largest	Std. dev.	1903.405
75%	-204.9	-643.43		
90%	183.975	-204.9	Variance	3622949
95%	272.69	95.26	Skewness	-1.382428
99%	272.69	272.69	Kurtosis	4.231722

IL10_Cdiff4

Percentiles		Smallest		
1%	-8.84	-8.84		
5%	-8.84	-2.13		
10%	-5.485	-2.07	Obs	10
25%	-2.07	-1.45	Sum of wgt.	10

50%	-.24		Mean	1.024
		Largest	Std. dev.	5.629992
75%	6.2	.79		
90%	9.11	6.2	Variance	31.6968
95%	9.18	9.04	Skewness	.0988462
99%	9.18	9.18	Kurtosis	2.333187

IL6_Cdiff4

Percentiles		Smallest		
1%	-73.4	-73.4		
5%	-73.4	-46.31		
10%	-59.855	7.22	Obs	10
25%	7.22	7.37	Sum of wgt.	10
50%	9.03		Mean	16.105
		Largest	Std. dev.	57.9891
75%	15.59	10.47		
90%	111.025	15.59	Variance	3362.736
95%	116.06	105.99	Skewness	.4579205
99%	116.06	116.06	Kurtosis	2.669017

TNFa_Cdiff4

Percentiles		Smallest		
1%	-312.33	-312.33		
5%	-312.33	-99.83		
10%	-206.08	-13.72	Obs	10
25%	-13.72	-11.06	Sum of wgt.	10
50%	3.37		Mean	-31.362
		Largest	Std. dev.	108.0227
75%	13.05	8.3		
90%	47.615	13.05	Variance	11668.9
95%	80.78	14.45	Skewness	-1.927444
99%	80.78	80.78	Kurtosis	5.826624

IFNg_Cdiff4

Percentiles		Smallest		
1%	-3.43	-3.43		
5%	-3.43	-3.22		
10%	-3.325	-3.07	Obs	10
25%	-3.07	-2.84	Sum of wgt.	10
50%	-1.67		Mean	-.904
		Largest	Std. dev.	2.977927
75%	-.69	-.94		
90%	4.245	-.69	Variance	8.868049
95%	5.85	2.64	Skewness	1.353685
99%	5.85	5.85	Kurtosis	3.682391

IL2_Cdiff4

Percentiles		Smallest		
1%	-.72	-.72		
5%	-.72	-.61		
10%	-.665	0	Obs	10
25%	0	0	Sum of wgt.	10
50%	0		Mean	.23
		Largest	Std. dev.	.9095542
75%	.31	.2		
90%	1.56	.31	Variance	.8272889
95%	2.58	.54	Skewness	1.791444
99%	2.58	2.58	Kurtosis	5.741811

IL4_Cdiff4

Percentiles		Smallest		
1%	-992.88	-992.88		
5%	-992.88	-8.91		

10%	-500.895	115.66	Obs	10
25%	115.66	152.74	Sum of wgt.	10
50%	172.895		Mean	501.169
		Largest	Std. dev.	1074.405
75%	442.08	189.59		
90%	2383.81	442.08	Variance	1154347
95%	2716.56	2051.06	Skewness	1.0319
99%	2716.56	2716.56	Kurtosis	3.240743

GMCSF_Cdiff4

Percentiles		Smallest		
1%	-1.03	-1.03		
5%	-1.03	0		
10%	-.515	0	Obs	10
25%	0	.5	Sum of wgt.	10
50%	.82		Mean	1.826
		Largest	Std. dev.	3.3307
75%	1.43	1.06		
90%	7.33	1.43	Variance	11.09356
95%	10.48	4.18	Skewness	1.967267
99%	10.48	10.48	Kurtosis	5.752262

IL8_LPSdiff4

Percentiles		Smallest		
1%	-14713.98	-14713.98		
5%	-14713.98	-11797.93		
10%	-13255.95	-8120.74	Obs	10
25%	-8120.74	-6534.97	Sum of wgt.	10
50%	-3524.32		Mean	-1846.111
		Largest	Std. dev.	9242.525
75%	4831	1961.48		
90%	11481.33	4831	Variance	8.54e+07
95%	13335.75	9626.92	Skewness	.2678865
99%	13335.75	13335.75	Kurtosis	1.900306

IL10_LPSdiff4

Percentiles		Smallest		
1%	-372.54	-372.54		
5%	-372.54	-291.97		
10%	-332.255	-168.79	Obs	10
25%	-168.79	-155.27	Sum of wgt.	10
50%	-106.8		Mean	-75.506
		Largest	Std. dev.	183.745
75%	121.46	33.56		
90%	146.045	121.46	Variance	33762.22
95%	166.16	125.93	Skewness	-.1264837
99%	166.16	166.16	Kurtosis	1.821313

IL6_LPSdiff4

Percentiles		Smallest		
1%	-1108.62	-1108.62		
5%	-1108.62	-704.33		
10%	-906.475	-237.37	Obs	10
25%	-237.37	-.96	Sum of wgt.	10
50%	505.13		Mean	2986.759
		Largest	Std. dev.	4808.698
75%	5689.7	4433.75		
90%	10392.58	5689.7	Variance	2.31e+07
95%	14065.82	6719.34	Skewness	1.290253
99%	14065.82	14065.82	Kurtosis	3.705519

TNFa_LPSdiff4

Percentiles		Smallest		
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1%	-1651.45	-1651.45		
5%	-1651.45	-1073.68		
10%	-1362.565	-490.46	Obs	10
25%	-490.46	1.46	Sum of wgt.	10
50%	569.365		Mean	2442.493
		Largest	Std. dev.	4396.108
75%	4945.81	3032.79		
90%	9260.865	4945.81	Variance	1.93e+07
95%	12658.16	5863.57	Skewness	1.31507
99%	12658.16	12658.16	Kurtosis	3.849953

IFNg_LPSdiff4

Percentiles		Smallest		
1%	-2.01	-2.01		
5%	-2.01	-1.69		
10%	-1.85	-1.33	Obs	10
25%	-1.33	-1.33	Sum of wgt.	10
50%	.095		Mean	1.684
		Largest	Std. dev.	4.99444
75%	1.51	.91		
90%	10.295	1.51	Variance	24.94443
95%	13.99	6.6	Skewness	1.720618
99%	13.99	13.99	Kurtosis	4.764195

IL2_LPSdiff4

Percentiles		Smallest		
1%	-2.93	-2.93		
5%	-2.93	-.74		
10%	-1.835	-.38	Obs	10
25%	-.38	-.16	Sum of wgt.	10
50%	-.07		Mean	-.304
		Largest	Std. dev.	1.041689
75%	0	0		
90%	.655	0	Variance	1.085116
95%	1.16	.15	Skewness	-1.540634
99%	1.16	1.16	Kurtosis	5.47858

IL4_LPSdiff4

Percentiles		Smallest		
1%	-922.45	-922.45		
5%	-922.45	-29.28		
10%	-475.865	108.78	Obs	10
25%	108.78	122.58	Sum of wgt.	10
50%	176.115		Mean	553.018
		Largest	Std. dev.	1156.336
75%	413.19	354.3		
90%	2565.415	413.19	Variance	1337112
95%	3152.92	1977.91	Skewness	1.270311
99%	3152.92	3152.92	Kurtosis	3.783027

GMCSF_LPSdiff4

Percentiles		Smallest		
1%	-2.83	-2.83		
5%	-2.83	-1.16		
10%	-1.995	-.73	Obs	10
25%	-.73	.46	Sum of wgt.	10
50%	.955		Mean	2.606
		Largest	Std. dev.	5.94081
75%	1.83	1.62		
90%	12.48	1.83	Variance	35.29323
95%	17.77	7.19	Skewness	1.849425
99%	17.77	17.77	Kurtosis	5.407206

IL8_polydiff4

Percentiles		Smallest		
1%	-5413.42	-5413.42		
5%	-5413.42	-3139.14		
10%	-4276.28	-1643.29	Obs	10
25%	-1643.29	-1004.08	Sum of wgt.	10
50%	-233.125		Mean	-792.102
		Largest	Std. dev.	2288.111
75%	214.95	67.01		
90%	1731.6	214.95	Variance	5235452
95%	3206.9	256.3	Skewness	-.4410829
99%	3206.9	3206.9	Kurtosis	3.358816

IL10_polydiff4

Percentiles		Smallest		
1%	-7.13	-7.13		
5%	-7.13	-1.79		
10%	-4.46	-1.76	Obs	10
25%	-1.76	0	Sum of wgt.	10
50%	.6		Mean	5.419
		Largest	Std. dev.	14.48648
75%	6.98	2.01		
90%	27.34	6.98	Variance	209.8582
95%	44.32	10.36	Skewness	2.15153
99%	44.32	44.32	Kurtosis	6.511682

IL6_polydiff4

Percentiles		Smallest		
1%	-63.18	-63.18		
5%	-63.18	-47.58		
10%	-55.38	.66	Obs	10
25%	.66	5.62	Sum of wgt.	10
50%	7.41		Mean	296.998
		Largest	Std. dev.	923.6817
75%	14.34	12.26		
90%	1516.52	14.34	Variance	853187.8
95%	2922.64	110.4	Skewness	2.654605
99%	2922.64	2922.64	Kurtosis	8.073171

TNFa_polydiff4

Percentiles		Smallest		
1%	-360.67	-360.67		
5%	-360.67	-11.18		
10%	-185.925	-10.39	Obs	10
25%	-10.39	-8.68	Sum of wgt.	10
50%	.35		Mean	210.375
		Largest	Std. dev.	795.5294
75%	14.06	11.05		
90%	1234.43	14.06	Variance	632867
95%	2450.97	17.89	Skewness	2.55634
99%	2450.97	2450.97	Kurtosis	7.806151

IFNg_polydiff4

Percentiles		Smallest		
1%	-1.71	-1.71		
5%	-1.71	-1.33		
10%	-1.52	0	Obs	10
25%	0	0	Sum of wgt.	10
50%	0		Mean	1.242
		Largest	Std. dev.	3.755576
75%	.73	0		
90%	7.365	.73	Variance	14.10435
95%	11.15	3.58	Skewness	2.062905
99%	11.15	11.15	Kurtosis	6.080965

IL2_polydiff4

Percentiles		Smallest		
1%	-.93	-.93		
5%	-.93	-.58		
10%	-.755	-.26	Obs	10
25%	-.26	0	Sum of wgt.	10
50%	0		Mean	.144
		Largest	Std. dev.	.8151646
75%	.1	.08		
90%	1.515	.1	Variance	.6644933
95%	1.91	1.12	Skewness	1.025727
99%	1.91	1.91	Kurtosis	3.429898

IL4_polydiff4

Percentiles		Smallest		
1%	-1111.6	-1111.6		
5%	-1111.6	-28.85		
10%	-570.225	.16	Obs	10
25%	.16	90.68	Sum of wgt.	10
50%	161.855		Mean	529.925
		Largest	Std. dev.	1236.076
75%	438.2	190.84		
90%	2698.055	438.2	Variance	1527884
95%	3184.93	2211.18	Skewness	1.147059
99%	3184.93	3184.93	Kurtosis	3.44831

GMCSF_polydiff4

Percentiles		Smallest		
1%	-1.94	-1.94		
5%	-1.94	-1.33		
10%	-1.635	-.47	Obs	10
25%	-.47	0	Sum of wgt.	10
50%	.49		Mean	2.234
		Largest	Std. dev.	5.306206
75%	2.11	.95		
90%	11.02	2.11	Variance	28.15583
95%	15.96	6.08	Skewness	1.945033
99%	15.96	15.96	Kurtosis	5.649902

-> MHIV = 1

Subject No

no observations	
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Sex

no observations	
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Gest. Age

Percentiles		Smallest		
1%	38	38		
5%	38	38		
10%	38	38	Obs	11
25%	38	38	Sum of wgt.	11
50%	39		Mean	38.90909
		Largest	Std. dev.	.9438798
75%	39	39		
90%	40	39	Variance	.8909091
95%	41	40	Skewness	.9276911
99%	41	41	Kurtosis	3.223865

M HIV

Percentiles		Smallest		
1%	1	1		
5%	1	1		
10%	1	1	Obs	11
25%	1	1	Sum of wgt.	11
50%	1		Mean	1
		Largest	Std. dev.	0
75%	1	1		
90%	1	1	Variance	0
95%	1	1	Skewness	.
99%	1	1	Kurtosis	.

Infant DOB

Percentiles		Smallest		
1%	21383	21383		
5%	21383	21425		
10%	21425	21431	Obs	11
25%	21431	21586	Sum of wgt.	11
50%	21591		Mean	21709.18
		Largest	Std. dev.	271.8885
75%	21962	21882		
90%	22034	21962	Variance	73923.36
95%	22190	22034	Skewness	.4293401
99%	22190	22190	Kurtosis	1.892711

M DOB

Percentiles		Smallest		
1%	6886	6886		
5%	6886	6895		
10%	6895	7047	Obs	11
25%	7047	7504	Sum of wgt.	11
50%	7641		Mean	8262.636
		Largest	Std. dev.	1524.337
75%	9518	8170		
90%	10203	9518	Variance	2323603
95%	11588	10203	Skewness	1.126463
99%	11588	11588	Kurtosis	3.034136

Age

Percentiles		Smallest		
1%	27.40548	27.40548		
5%	27.40548	31.19178		
10%	31.19178	34.09315	Obs	11
25%	34.09315	36.33151	Sum of wgt.	11
50%	38.58082		Mean	36.83985
		Largest	Std. dev.	4.289909
75%	39.71781	39.56164		
90%	39.80822	39.71781	Variance	18.40332
95%	41.48767	39.80822	Skewness	-1.133009
99%	41.48767	41.48767	Kurtosis	3.149946

M Weight

Percentiles		Smallest		
1%	45	45		
5%	45	56.4		
10%	50.7	59	Obs	10
25%	59	63	Sum of wgt.	10
50%	67		Mean	67.53
		Largest	Std. dev.	12.53086
75%	79.8	71.1		
90%	83.5	79.8	Variance	157.0223
95%	86	81	Skewness	-.1722883
99%	86	86	Kurtosis	2.257489

M MUAC

Percentiles		Smallest		
1%	26	26		
5%	26	26		
10%	26	26.1	Obs	11
25%	26.1	26.5	Sum of wgt.	11
50%	29		Mean	28.63636
		Largest	Std. dev.	2.649254
75%	29.7	29.7		
90%	32	29.7	Variance	7.018545
95%	34	32	Skewness	.7206824
99%	34	34	Kurtosis	2.510477

M CD4

Percentiles		Smallest		
1%	36	36		
5%	36	195		
10%	36	219	Obs	8
25%	207	271	Sum of wgt.	8
50%	319.5		Mean	357.125
		Largest	Std. dev.	218.2662
75%	541	368		
90%	686	512	Variance	47640.13
95%	686	570	Skewness	.1216572
99%	686	686	Kurtosis	1.875457

M Viral Load

Percentiles		Smallest		
1%	40	40		
5%	40	40		
10%	40	40	Obs	6
25%	40	40	Sum of wgt.	6
50%	40		Mean	40
		Largest	Std. dev.	0
75%	40	40		
90%	40	40	Variance	0
95%	40	40	Skewness	.
99%	40	40	Kurtosis	.

BMI

Percentiles		Smallest		
1%	21.6	21.6		
5%	21.6	22.95		
10%	21.6	24.56	Obs	9
25%	24.56	26.77	Sum of wgt.	9
50%	27.7		Mean	26.88
		Largest	Std. dev.	3.369918
75%	28.28	27.94		
90%	32.37	28.28	Variance	11.35635
95%	32.37	29.75	Skewness	-.0928095
99%	32.37	32.37	Kurtosis	2.209745

Weight_0

Percentiles		Smallest		
1%	2.14	2.14		
5%	2.14	2.285		
10%	2.285	2.57	Obs	11
25%	2.57	2.76	Sum of wgt.	11
50%	2.91		Mean	2.920455
		Largest	Std. dev.	.5231991
75%	3.225	3.1		
90%	3.31	3.225	Variance	.2737373

95%	4.05	3.31	Skewness	.551429
99%	4.05	4.05	Kurtosis	3.245295

Length_0

Percentiles		Smallest		
1%	45	45		
5%	45	47		
10%	45	48	Obs	9
25%	48	48	Sum of wgt.	9
50%	49		Mean	48.88889
		Largest	Std. dev.	2.260777
75%	50	49		
90%	52	50	Variance	5.111111
95%	52	52	Skewness	-.0614778
99%	52	52	Kurtosis	2.323281

HC_0

Percentiles		Smallest		
1%	29	29		
5%	29	32		
10%	32	32	Obs	11
25%	32	33	Sum of wgt.	11
50%	34		Mean	33.54545
		Largest	Std. dev.	2.067058
75%	35	34		
90%	35	35	Variance	4.272727
95%	37	35	Skewness	-.6377242
99%	37	37	Kurtosis	3.554486

W4L_0

Percentiles		Smallest		
1%	.0445833	.0445833		
5%	.0445833	.0507778		
10%	.0445833	.052449	Obs	9
25%	.052449	.0568367	Sum of wgt.	9
50%	.0575		Mean	.0566263
		Largest	Std. dev.	.0063964
75%	.0620192	.0582		
90%	.0636538	.0620192	Variance	.0000409
95%	.0636538	.063617	Skewness	-.5924714
99%	.0636538	.0636538	Kurtosis	2.368088

Weight_10

Percentiles		Smallest		
1%	4.34	4.34		
5%	4.34	4.64		
10%	4.49	4.65	Obs	10
25%	4.65	4.85	Sum of wgt.	10
50%	5.47		Mean	5.462
		Largest	Std. dev.	.8868772
75%	5.86	5.75		
90%	6.795	5.86	Variance	.7865511
95%	7.19	6.4	Skewness	.5607119
99%	7.19	7.19	Kurtosis	2.462213

Length_10

Percentiles		Smallest		
1%	54.6	54.6		
5%	54.6	56.6		
10%	55.6	56.8	Obs	10
25%	56.8	57	Sum of wgt.	10
50%	58.15		Mean	58.26
		Largest	Std. dev.	2.149522

75%	60.3	58.6		
90%	61.2	60.3	Variance	4.620444
95%	61.4	61	Skewness	.0156455
99%	61.4	61.4	Kurtosis	2.110838

HC_10

Percentiles		Smallest		
1%	38.6	38.6		
5%	38.6	39		
10%	38.6	39	Obs	9
25%	39	39	Sum of wgt.	9
50%	39		Mean	40.2
		Largest	Std. dev.	1.68226
75%	42	40.2		
90%	43	42	Variance	2.83
95%	43	42	Skewness	.6296059
99%	43	43	Kurtosis	1.708605

MUAC_10

Percentiles		Smallest		
1%	12.4	12.4		
5%	12.4	12.6		
10%	12.4	13	Obs	8
25%	12.8	14	Sum of wgt.	8
50%	14.25		Mean	14.1375
		Largest	Std. dev.	1.372107
75%	15.3	14.5		
90%	16	15	Variance	1.882679
95%	16	15.6	Skewness	-.004495
99%	16	16	Kurtosis	1.545619

W4L_10

Percentiles		Smallest		
1%	.0793515	.0793515		
5%	.0793515	.0794872		
10%	.0794194	.0819788	Obs	10
25%	.0819788	.0853873	Sum of wgt.	10
50%	.0948872		Mean	.0934474
		Largest	Std. dev.	.012331
75%	.1010345	.0953566		
90%	.1110517	.1010345	Variance	.0001521
95%	.1178689	.1042345	Skewness	.5445706
99%	.1178689	.1178689	Kurtosis	2.518036

W4A_10

Percentiles		Smallest		
1%	1.736	1.736		
5%	1.736	1.856		
10%	1.796	1.86	Obs	10
25%	1.86	1.94	Sum of wgt.	10
50%	2.188		Mean	2.1848
		Largest	Std. dev.	.3547509
75%	2.344	2.3		
90%	2.718	2.344	Variance	.1258482
95%	2.876	2.56	Skewness	.5607119
99%	2.876	2.876	Kurtosis	2.462213

Weight_diif0

Percentiles		Smallest		
1%	1.74	1.74		
5%	1.74	1.77		
10%	1.755	1.88	Obs	10
25%	1.88	2.2	Sum of wgt.	10

50%	2.545		Mean	2.4635
75%	2.87	Largest	Std. dev.	.5561727
90%	3.22	2.645	Variance	.3093281
95%	3.3	2.87	Skewness	.0273292
99%	3.3	3.14	Kurtosis	1.746533
		3.3		

Length_diff0

	Percentiles	Smallest		
1%	5.6	5.6		
5%	5.6	6.3		
10%	5.6	8	Obs	8
25%	7.15	8.3	Sum of wgt.	8
50%	8.45		Mean	8.525
75%	9.8	Largest	Std. dev.	2.094039
90%	11.8	8.6	Variance	4.385
95%	11.8	8.6	Skewness	.2343735
99%	11.8	11	Kurtosis	2.125687
		11.8		

HC_diff0

	Percentiles	Smallest		
1%	4	4		
5%	4	4		
10%	4	5	Obs	9
25%	5	5	Sum of wgt.	9
50%	6		Mean	6.2
75%	8	Largest	Std. dev.	1.865476
90%	9	6.6	Variance	3.48
95%	9	8	Skewness	.2264491
99%	9	8.2	Kurtosis	1.613927
		9		

Weight_6

	Percentiles	Smallest		
1%	6.13	6.13		
5%	6.13	6.14		
10%	6.14	6.6	Obs	11
25%	6.6	6.901	Sum of wgt.	11
50%	7.5		Mean	7.611455
75%	8.23	Largest	Std. dev.	1.254531
90%	8.71	7.915	Variance	1.573848
95%	10.46	8.23	Skewness	.895961
99%	10.46	8.71	Kurtosis	3.475377
		10.46		

Length_6

	Percentiles	Smallest		
1%	60.6	60.6		
5%	60.6	61.2		
10%	61.2	62.1	Obs	11
25%	62.1	62.4	Sum of wgt.	11
50%	67.3		Mean	65.81818
75%	69	Largest	Std. dev.	3.95672
90%	70	68	Variance	15.65564
95%	72	69	Skewness	.0336264
99%	72	70	Kurtosis	1.556335
		72		

HC_6

	Percentiles	Smallest		
1%	40.8	40.8		
5%	40.8	41		
10%	41	42.3	Obs	11

25%	42.3	42.3	Sum of wgt.	11
50%	43.1		Mean	43.02727
		Largest	Std. dev.	1.483301
75%	44	43.3		
90%	44.2	44	Variance	2.200182
95%	46.1	44.2	Skewness	.3670274
99%	46.1	46.1	Kurtosis	3.044888

MUAC_6

	Percentiles	Smallest		
1%	13.5	13.5		
5%	13.5	13.5		
10%	13.5	14	Obs	11
25%	14	14	Sum of wgt.	11
50%	14.6		Mean	14.96364
		Largest	Std. dev.	1.508823
75%	16	15.2		
90%	16.2	16	Variance	2.276545
95%	18.6	16.2	Skewness	1.298973
99%	18.6	18.6	Kurtosis	4.024314

W4L_6

	Percentiles	Smallest		
1%	.0966929	.0966929		
5%	.0966929	.0970588		
10%	.0970588	.1001634	Obs	11
25%	.1001634	.1104012	Sum of wgt.	11
50%	.1147101		Mean	.1153213
		Largest	Std. dev.	.0146414
75%	.1244286	.1212077		
90%	.1272277	.1244286	Variance	.0002144
95%	.1452778	.1272277	Skewness	.4487406
99%	.1452778	.1452778	Kurtosis	2.680677

W4A_6

	Percentiles	Smallest		
1%	1.021667	1.021667		
5%	1.021667	1.023333		
10%	1.023333	1.1	Obs	11
25%	1.1	1.150167	Sum of wgt.	11
50%	1.25		Mean	1.268576
		Largest	Std. dev.	.2090885
75%	1.371667	1.319167		
90%	1.451667	1.371667	Variance	.043718
95%	1.743333	1.451667	Skewness	.895961
99%	1.743333	1.743333	Kurtosis	3.475377

Weight_diif1

	Percentiles	Smallest		
1%	1.49	1.49		
5%	1.49	1.68		
10%	1.585	1.79	Obs	10
25%	1.79	1.96	Sum of wgt.	10
50%	2.053		Mean	2.1396
		Largest	Std. dev.	.5218817
75%	2.31	2.07		
90%	2.995	2.31	Variance	.2723605
95%	3.27	2.72	Skewness	1.008175
99%	3.27	3.27	Kurtosis	3.305105

Length_diff1

	Percentiles	Smallest
1%	4.9	4.9

5%	4.9	5.1		
10%	5	5.6	Obs	10
25%	5.6	6.6	Sum of wgt.	10
50%	7.8		Mean	8.08
		Largest	Std. dev.	2.563765
75%	11	9.6		
90%	11.2	11	Variance	6.572889
95%	11.4	11	Skewness	.081078
99%	11.4	11.4	Kurtosis	1.421406

HC_diff1

	Percentiles	Smallest		
1%	0	0		
5%	0	2		
10%	0	2.2	Obs	9
25%	2.2	3.3	Sum of wgt.	9
50%	3.3		Mean	3.066667
		Largest	Std. dev.	1.456022
75%	4.1	3.8		
90%	4.7	4.1	Variance	2.12
95%	4.7	4.2	Skewness	-1.003729
99%	4.7	4.7	Kurtosis	3.144676

MUAC_diff1

	Percentiles	Smallest		
1%	-2	-2		
5%	-2	.5		
10%	-2	.6	Obs	8
25%	.55	.7	Sum of wgt.	8
50%	.75		Mean	.9125
		Largest	Std. dev.	1.569747
75%	1.55	.8		
90%	3.6	1.1	Variance	2.464107
95%	3.6	2	Skewness	-.1624263
99%	3.6	3.6	Kurtosis	3.376259

Weight_12

	Percentiles	Smallest		
1%	7.33	7.33		
5%	7.33	7.51		
10%	7.51	8.01	Obs	11
25%	8.01	8.43	Sum of wgt.	11
50%	8.89		Mean	9.073182
		Largest	Std. dev.	1.317293
75%	9.89	9.835		
90%	10	9.89	Variance	1.735261
95%	11.9	10	Skewness	.6305526
99%	11.9	11.9	Kurtosis	2.997426

Length_12

	Percentiles	Smallest		
1%	68.8	68.8		
5%	68.8	69.9		
10%	69.9	71	Obs	11
25%	71	72.6	Sum of wgt.	11
50%	73		Mean	74.60909
		Largest	Std. dev.	4.418247
75%	77.4	77.2		
90%	79	77.4	Variance	19.52091
95%	83.6	79	Skewness	.5881978
99%	83.6	83.6	Kurtosis	2.555375

HC_12

	Percentiles	Smallest		
1%	42.8	42.8		
5%	42.8	43.2		
10%	43.2	45	Obs	11
25%	45	45.4	Sum of wgt.	11
50%	46		Mean	45.73636
		Largest	Std. dev.	1.616337
75%	47	46.7		
90%	47.2	47	Variance	2.612545
95%	48	47.2	Skewness	-.5998796
99%	48	48	Kurtosis	2.425559

MUAC_12

	Percentiles	Smallest		
1%	13.6	13.6		
5%	13.6	13.9		
10%	13.9	14	Obs	11
25%	14	15	Sum of wgt.	11
50%	15.4		Mean	15.49091
		Largest	Std. dev.	1.424398
75%	17	15.8		
90%	17	17	Variance	2.028909
95%	18.1	17	Skewness	.3747565
99%	18.1	18.1	Kurtosis	2.163661

W4L_12

	Percentiles	Smallest		
1%	.1009642	.1009642		
5%	.1009642	.109157		
10%	.109157	.109726	Obs	11
25%	.109726	.1183014	Sum of wgt.	11
50%	.1205959		Mean	.121306
		Largest	Std. dev.	.0131777
75%	.1270672	.1252113		
90%	.1322751	.1270672	Variance	.0001737
95%	.1506329	.1322751	Skewness	.6874634
99%	.1506329	.1506329	Kurtosis	3.526025

W4A_12

	Percentiles	Smallest		
1%	.6108333	.6108333		
5%	.6108333	.6258333		
10%	.6258333	.6675	Obs	11
25%	.6675	.7025	Sum of wgt.	11
50%	.7408333		Mean	.7560985
		Largest	Std. dev.	.1097744
75%	.8241667	.8195833		
90%	.8333333	.8241667	Variance	.0120504
95%	.9916667	.8333333	Skewness	.6305526
99%	.9916667	.9916667	Kurtosis	2.997426

Weight_diif2

	Percentiles	Smallest		
1%	.58	.58		
5%	.58	.72		
10%	.72	1.18	Obs	11
25%	1.18	1.19	Sum of wgt.	11
50%	1.39		Mean	1.461727
		Largest	Std. dev.	.5570339
75%	1.92	1.77		
90%	2.1	1.92	Variance	.3102868
95%	2.409	2.1	Skewness	.059873
99%	2.409	2.409	Kurtosis	2.220172

Length_diff2				
Percentiles		Smallest		
1%	4.6	4.6		
5%	4.6	5.7		
10%	5.7	7	Obs	11
25%	7	7.6	Sum of wgt.	11
50%	8.4		Mean	8.790909
		Largest	Std. dev.	3.044488
75%	9.3	9.1		
90%	13.6	9.3	Variance	9.268909
95%	14.8	13.6	Skewness	.8044308
99%	14.8	14.8	Kurtosis	2.883802

HC_diff2				
Percentiles		Smallest		
1%	1.8	1.8		
5%	1.8	1.8		
10%	1.8	1.9	Obs	11
25%	1.9	2	Sum of wgt.	11
50%	2.3		Mean	2.709091
		Largest	Std. dev.	1.000454
75%	3.1	3.1		
90%	4	3.1	Variance	1.000909
95%	4.9	4	Skewness	1.06812
99%	4.9	4.9	Kurtosis	3.075187

MUAC_diff2				
Percentiles		Smallest		
1%	-1.6	-1.6		
5%	-1.6	-1.2		
10%	-1.2	-.4	Obs	11
25%	-.4	.2	Sum of wgt.	11
50%	.5		Mean	.5272727
		Largest	Std. dev.	1.290032
75%	1.2	1		
90%	1.8	1.2	Variance	1.664182
95%	2.9	1.8	Skewness	.0156904
99%	2.9	2.9	Kurtosis	2.571921

Weight_diif3				
Percentiles		Smallest		
1%	2.26	2.26		
5%	2.26	2.68		
10%	2.47	3.17	Obs	10
25%	3.17	3.46	Sum of wgt.	10
50%	3.7325		Mean	3.6755
		Largest	Std. dev.	.8108721
75%	4.46	4.06		
90%	4.6	4.46	Variance	.6575136
95%	4.71	4.49	Skewness	-.3853729
99%	4.71	4.71	Kurtosis	2.015926

Length_diff3				
Percentiles		Smallest		
1%	12.7	12.7		
5%	12.7	14		
10%	13.35	14	Obs	10
25%	14	14.2	Sum of wgt.	10
50%	16.65		Mean	16.82
		Largest	Std. dev.	3.170279
75%	19.4	18		
90%	21.3	19.4	Variance	10.05067
95%	22.2	20.4	Skewness	.3205554

99% 22.2 22.2 Kurtosis 1.846087

HC_diff3

	Percentiles	Smallest		
1%	4	4		
5%	4	4		
10%	4	4.2	Obs	10
25%	4.2	6	Sum of wgt.	10
50%	6.2		Mean	9.59
		Largest	Std. dev.	11.76194
75%	7.8	6.5		
90%	25.5	7.8	Variance	138.3432
95%	42.8	8.2	Skewness	2.588224
99%	42.8	42.8	Kurtosis	7.868008

MUAC_diff3

	Percentiles	Smallest		
1%	-2.4	-2.4		
5%	-2.4	-.6		
10%	-2.4	.9	Obs	8
25%	.15	1	Sum of wgt.	8
50%	1.3		Mean	1.1375
		Largest	Std. dev.	1.930905
75%	2.5	1.6		
90%	3.6	2	Variance	3.728393
95%	3.6	3	Skewness	-.5811593
99%	3.6	3.6	Kurtosis	2.526554

HC_Z0

	Percentiles	Smallest		
1%	-4.12	-4.12		
5%	-4.12	-1.94		
10%	-1.94	-1.59	Obs	11
25%	-1.59	-.74	Sum of wgt.	11
50%	-.36		Mean	-.5454545
		Largest	Std. dev.	1.61303
75%	.42	.1		
90%	.95	.42	Variance	2.601867
95%	2	.95	Skewness	-.7123985
99%	2	2	Kurtosis	3.514047

W4A_Z0

	Percentiles	Smallest		
1%	-2.69	-2.69		
5%	-2.69	-2.46		
10%	-2.46	-1.55	Obs	11
25%	-1.55	-1.23	Sum of wgt.	11
50%	-.93		Mean	-.8845455
		Largest	Std. dev.	1.149281
75%	-.26	-.29		
90%	.17	-.26	Variance	1.320847
95%	1.35	.17	Skewness	.1828772
99%	1.35	1.35	Kurtosis	2.739149

W4L_Z0

	Percentiles	Smallest		
1%	-3.79	-3.79		
5%	-3.79	-2.36		
10%	-3.79	-1.82	Obs	9
25%	-1.82	-1.55	Sum of wgt.	9
50%	-1.53		Mean	-1.465556
		Largest	Std. dev.	1.246627
75%	-.84	-1.36		

90%	.81	-.84	Variance	1.554078
95%	.81	-.75	Skewness	-.0632701
99%	.81	.81	Kurtosis	3.323392

HC_Z10

Percentiles		Smallest		
1%	.46	.46		
5%	.46	.8		
10%	.46	1.45	Obs	9
25%	1.45	1.45	Sum of wgt.	9
50%	1.45		Mean	2.114444
		Largest	Std. dev.	1.298799
75%	3.37	2.46		
90%	4.22	3.37	Variance	1.686878
95%	4.22	3.37	Skewness	.3422057
99%	4.22	4.22	Kurtosis	1.764326

MUAC_Z10

no observations

W4A_Z10

Percentiles		Smallest		
1%	-.45	-.45		
5%	-.45	-.4		
10%	-.425	-.13	Obs	10
25%	-.13	.1	Sum of wgt.	10
50%	.98		Mean	.943
		Largest	Std. dev.	1.204972
75%	1.4	1.36		
90%	2.795	1.4	Variance	1.451957
95%	3.03	2.56	Skewness	.4376757
99%	3.03	3.03	Kurtosis	2.034228

W4L_Z10

Percentiles		Smallest		
1%	-2.27	-2.27		
5%	-2.27	-.78		
10%	-1.525	-.66	Obs	10
25%	-.66	-.52	Sum of wgt.	10
50%	-.05		Mean	-.082
		Largest	Std. dev.	1.080276
75%	.67	.3		
90%	1.27	.67	Variance	1.166996
95%	1.62	.92	Skewness	-.4334879
99%	1.62	1.62	Kurtosis	2.995995

HC_Z6

Percentiles		Smallest		
1%	-1.08	-1.08		
5%	-1.08	-.93		
10%	-.93	-.85	Obs	11
25%	-.85	-.28	Sum of wgt.	11
50%	-.03		Mean	.1636364
		Largest	Std. dev.	1.032621
75%	.76	.7		
90%	1.38	.76	Variance	1.066305
95%	2.26	1.38	Skewness	.6632018
99%	2.26	2.26	Kurtosis	2.578065

MUAC_Z6

Percentiles		Smallest
1%	-.7	-.7
5%	-.7	-.25

10%	-.25	-.22	Obs	11
25%	-.22	-.22	Sum of wgt.	11
50%	.36		Mean	.7572727
		Largest	Std. dev.	1.282911
75%	1.77	1.17		
90%	1.91	1.77	Variance	1.645862
95%	3.67	1.91	Skewness	1.053678
99%	3.67	3.67	Kurtosis	3.339965

W4A_Z6

Percentiles		Smallest		
1%	-2.31	-2.31		
5%	-2.31	-1.44		
10%	-1.44	-1.27	Obs	11
25%	-1.27	-.83	Sum of wgt.	11
50%	-.52		Mean	-.1418182
		Largest	Std. dev.	1.411069
75%	.98	.45		
90%	1.44	.98	Variance	1.991116
95%	2.56	1.44	Skewness	.4109607
99%	2.56	2.56	Kurtosis	2.444508

W4L_Z6

Percentiles		Smallest		
1%	-1.81	-1.81		
5%	-1.81	-1.45		
10%	-1.45	-.61	Obs	11
25%	-.61	-.42	Sum of wgt.	11
50%	.48		Mean	.3290909
		Largest	Std. dev.	1.374092
75%	1.6	.71		
90%	1.94	1.6	Variance	1.888129
95%	2.57	1.94	Skewness	.0346041
99%	2.57	2.57	Kurtosis	2.057269

HC_Z12

Percentiles		Smallest		
1%	-1.54	-1.54		
5%	-1.54	-1.25		
10%	-1.25	-.52	Obs	11
25%	-.52	-.05	Sum of wgt.	11
50%	.26		Mean	.1636364
		Largest	Std. dev.	.9736352
75%	.88	.73		
90%	1.33	.88	Variance	.9479655
95%	1.51	1.33	Skewness	-.3992127
99%	1.51	1.51	Kurtosis	2.220779

MUAC_Z12

Percentiles		Smallest		
1%	-.96	-.96		
5%	-.96	-.58		
10%	-.58	-.26	Obs	11
25%	-.26	.31	Sum of wgt.	11
50%	.83		Mean	.8090909
		Largest	Std. dev.	1.175214
75%	1.96	.99		
90%	2.13	1.96	Variance	1.381129
95%	2.86	2.13	Skewness	.1872968
99%	2.86	2.86	Kurtosis	2.155586

W4A_Z12

Percentiles	Smallest
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1%	-2.49	-2.49		
5%	-2.49	-1.69		
10%	-1.69	-1.45	Obs	11
25%	-1.45	-.75	Sum of wgt.	11
50%	-.32		Mean	-.3263636
		Largest	Std. dev.	1.273069
75%	.81	.18		
90%	.9	.81	Variance	1.620705
95%	1.94	.9	Skewness	.0467697
99%	1.94	1.94	Kurtosis	2.402844

W4L_Z12

Percentiles		Smallest		
1%	-2.58	-2.58		
5%	-2.58	-1.56		
10%	-1.56	-1.09	Obs	11
25%	-1.09	-.79	Sum of wgt.	11
50%	-.16		Mean	-.3145455
		Largest	Std. dev.	1.188616
75%	.38	.33		
90%	.84	.38	Variance	1.412807
95%	1.73	.84	Skewness	-.2137155
99%	1.73	1.73	Kurtosis	2.69117

IL8_C0

Percentiles		Smallest		
1%	78.27	78.27		
5%	78.27	93.93		
10%	93.93	405.53	Obs	11
25%	405.53	479.85	Sum of wgt.	11
50%	730.41		Mean	3036.642
		Largest	Std. dev.	4916.874
75%	4268.76	2009.67		
90%	6966.62	4268.76	Variance	2.42e+07
95%	16404.72	6966.62	Skewness	2.057616
99%	16404.72	16404.72	Kurtosis	6.115626

IL10_C0

Percentiles		Smallest		
1%	.47	.47		
5%	.47	1.13		
10%	1.13	1.16	Obs	11
25%	1.16	1.37	Sum of wgt.	11
50%	1.75		Mean	46.09
		Largest	Std. dev.	145.712
75%	3.25	3.2		
90%	5.13	3.25	Variance	21231.99
95%	485.41	5.13	Skewness	2.845618
99%	485.41	485.41	Kurtosis	9.098541

IL6_C0

Percentiles		Smallest		
1%	.62	.62		
5%	.62	.74		
10%	.74	1.52	Obs	11
25%	1.52	1.76	Sum of wgt.	11
50%	3.23		Mean	221.3591
		Largest	Std. dev.	696.2735
75%	23.81	16.59		
90%	61.53	23.81	Variance	484796.8
95%	2319.98	61.53	Skewness	2.842496
99%	2319.98	2319.98	Kurtosis	9.087843

TNFa_C0

Percentiles		Smallest		
1%	2.5	2.5		
5%	2.5	5.36		
10%	5.36	5.85	Obs	11
25%	5.85	6.96	Sum of wgt.	11
50%	12.93		Mean	413.6736
		Largest	Std. dev.	1258.619
75%	21.32	19.36		
90%	243.77	21.32	Variance	1584121
95%	4202.69	243.77	Skewness	2.830432
99%	4202.69	4202.69	Kurtosis	9.045242

IFNg_C0

Percentiles		Smallest		
1%	1.27	1.27		
5%	1.27	1.62		
10%	1.62	3.97	Obs	11
25%	3.97	3.97	Sum of wgt.	11
50%	3.97		Mean	3.510909
		Largest	Std. dev.	1.024407
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.049409
95%	3.97	3.97	Skewness	-1.672527
99%	3.97	3.97	Kurtosis	3.835755

IL2_C0

Percentiles		Smallest		
1%	.26	.26		
5%	.26	.32		
10%	.32	.65	Obs	11
25%	.65	1.02	Sum of wgt.	11
50%	1.28		Mean	1.898182
		Largest	Std. dev.	1.3209
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.744776
95%	3.24	3.24	Skewness	.0216451
99%	3.24	3.24	Kurtosis	1.195856

IL4_C0

Percentiles		Smallest		
1%	2.6	2.6		
5%	2.6	2.6		
10%	2.6	2.6	Obs	11
25%	2.6	4.27	Sum of wgt.	11
50%	8.6		Mean	47.14818
		Largest	Std. dev.	110.8317
75%	35.01	28.57		
90%	35.01	35.01	Variance	12283.68
95%	379.01	35.01	Skewness	2.775704
99%	379.01	379.01	Kurtosis	8.858147

GMCSF_C0

Percentiles		Smallest		
1%	.12	.12		
5%	.12	.12		
10%	.12	.42	Obs	11
25%	.42	.45	Sum of wgt.	11
50%	1.76		Mean	1.908182
		Largest	Std. dev.	1.421371
75%	3.28	3.28		
90%	3.28	3.28	Variance	2.020296
95%	3.28	3.28	Skewness	-.1802087
99%	3.28	3.28	Kurtosis	1.28241

IL8_LPS0

	Percentiles	Smallest		
1%	512.12	512.12		
5%	512.12	3817.94		
10%	3817.94	5055.71	Obs	11
25%	5055.71	8707.21	Sum of wgt.	11
50%	12014.95		Mean	10034.64
		Largest	Std. dev.	4887.09
75%	13062.21	12904.05		
90%	15197.88	13062.21	Variance	2.39e+07
95%	15293.7	15197.88	Skewness	-.783914
99%	15293.7	15293.7	Kurtosis	2.315542

IL10_LPS0

	Percentiles	Smallest		
1%	1.13	1.13		
5%	1.13	1.91		
10%	1.91	2.57	Obs	11
25%	2.57	25.22	Sum of wgt.	11
50%	190.21		Mean	387.8209
		Largest	Std. dev.	432.9662
75%	809.46	799.66		
90%	903.3	809.46	Variance	187459.7
95%	1128.25	903.3	Skewness	.5583175
99%	1128.25	1128.25	Kurtosis	1.644072

IL6_LPS0

	Percentiles	Smallest		
1%	.62	.62		
5%	.62	44.59		
10%	44.59	49.72	Obs	11
25%	49.72	303.31	Sum of wgt.	11
50%	851.29		Mean	2119.532
		Largest	Std. dev.	2757.224
75%	3559.85	2399.41		
90%	6761.58	3559.85	Variance	7602286
95%	7677.9	6761.58	Skewness	1.17415
99%	7677.9	7677.9	Kurtosis	2.855841

TNFa_LPS0

	Percentiles	Smallest		
1%	19.2	19.2		
5%	19.2	24.7		
10%	24.7	50.49	Obs	11
25%	50.49	84.22	Sum of wgt.	11
50%	282.39		Mean	5813.713
		Largest	Std. dev.	17165.86
75%	1842.64	1796.76		
90%	1921.73	1842.64	Variance	2.95e+08
95%	57514.82	1921.73	Skewness	2.834878
99%	57514.82	57514.82	Kurtosis	9.061933

IFNg_LPS0

	Percentiles	Smallest		
1%	.34	.34		
5%	.34	3.97		
10%	3.97	3.97	Obs	11
25%	3.97	3.97	Sum of wgt.	11
50%	3.97		Mean	3.64
		Largest	Std. dev.	1.094486
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.1979

95%	3.97	3.97	Skewness	-2.84605
99%	3.97	3.97	Kurtosis	9.1

IL2_LPS0

Percentiles		Smallest		
1%	.46	.46		
5%	.46	.6		
10%	.6	.75	Obs	11
25%	.75	.8	Sum of wgt.	11
50%	1.65		Mean	1.968182
		Largest	Std. dev.	1.256565
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.578956
95%	3.24	3.24	Skewness	.0205608
99%	3.24	3.24	Kurtosis	1.156043

IL4_LPS0

Percentiles		Smallest		
1%	1.6	1.6		
5%	1.6	2.08		
10%	2.08	4.27	Obs	11
25%	4.27	4.92	Sum of wgt.	11
50%	8.39		Mean	52.77
		Largest	Std. dev.	122.6864
75%	33.68	31.54		
90%	48.89	33.68	Variance	15051.96
95%	419.6	48.89	Skewness	2.761774
99%	419.6	419.6	Kurtosis	8.808443

GMCSF_LPS0

Percentiles		Smallest		
1%	.95	.95		
5%	.95	1.01		
10%	1.01	1.37	Obs	11
25%	1.37	1.75	Sum of wgt.	11
50%	2.27		Mean	3.578182
		Largest	Std. dev.	3.564828
75%	3.28	3.28		
90%	8.14	3.28	Variance	12.708
95%	12.51	8.14	Skewness	1.735403
99%	12.51	12.51	Kurtosis	4.721235

IL8_poly0

Percentiles		Smallest		
1%	75.38	75.38		
5%	75.38	379.47		
10%	379.47	432.72	Obs	11
25%	432.72	621.93	Sum of wgt.	11
50%	1971.99		Mean	6626.902
		Largest	Std. dev.	7673.246
75%	15554.2	8612.4		
90%	18416.36	15554.2	Variance	5.89e+07
95%	19245.13	18416.36	Skewness	.7271546
99%	19245.13	19245.13	Kurtosis	1.855391

IL10_poly0

Percentiles		Smallest		
1%	.81	.81		
5%	.81	1.13		
10%	1.13	1.44	Obs	11
25%	1.44	1.8	Sum of wgt.	11
50%	3.2		Mean	203.5873
		Largest	Std. dev.	344.9614

75%	666.93	7.82		
90%	772.49	666.93	Variance	118998.4
95%	777.35	772.49	Skewness	1.041758
99%	777.35	777.35	Kurtosis	2.114586

IL6_poly0

Percentiles		Smallest		
1%	.59	.59		
5%	.59	1.73		
10%	1.73	2.25	Obs	11
25%	2.25	3.23	Sum of wgt.	11
50%	19.87		Mean	1362.333
		Largest	Std. dev.	3047.701
75%	797	88.83		
90%	4376.45	797	Variance	9288480
95%	9669.69	4376.45	Skewness	2.152716
99%	9669.69	9669.69	Kurtosis	6.211102

TNFa_poly0

Percentiles		Smallest		
1%	3.32	3.32		
5%	3.32	5.36		
10%	5.36	5.67	Obs	11
25%	5.67	9.42	Sum of wgt.	11
50%	11.77		Mean	1187.507
		Largest	Std. dev.	3003.332
75%	737.88	288.45		
90%	1886.94	737.88	Variance	9020002
95%	10075.84	1886.94	Skewness	2.672576
99%	10075.84	10075.84	Kurtosis	8.45784

IFNg_poly0

Percentiles		Smallest		
1%	.75	.75		
5%	.75	1.82		
10%	1.82	1.96	Obs	11
25%	1.96	1.96	Sum of wgt.	11
50%	3.97		Mean	3.116364
		Largest	Std. dev.	1.227007
75%	3.97	3.97		
90%	3.97	3.97	Variance	1.505545
95%	3.97	3.97	Skewness	-.8043698
99%	3.97	3.97	Kurtosis	2.012695

IL2_poly0

Percentiles		Smallest		
1%	.43	.43		
5%	.43	.49		
10%	.49	1.16	Obs	11
25%	1.16	1.26	Sum of wgt.	11
50%	1.59		Mean	2.061818
		Largest	Std. dev.	1.18384
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.401476
95%	3.24	3.24	Skewness	-.0973125
99%	3.24	3.24	Kurtosis	1.345324

IL4_poly0

Percentiles		Smallest		
1%	0	0		
5%	0	.08		
10%	.08	.28	Obs	11
25%	.28	4.27	Sum of wgt.	11

50%	18.81		Mean	65.20727
75%	46.58	Largest	Std. dev.	141.8438
90%	97.45	28.57		
95%	484.08	46.58	Variance	20119.66
99%	484.08	97.45	Skewness	2.649805
		484.08	Kurtosis	8.388605

GMCSF_poly0

	Percentiles	Smallest		
1%	.22	.22		
5%	.22	.45		
10%	.45	.62	Obs	11
25%	.62	1.34	Sum of wgt.	11
50%	3.28		Mean	8.766364
75%	5.96	Largest	Std. dev.	16.4002
90%	19.16	3.28		
95%	55.56	5.96	Variance	268.9665
99%	55.56	19.16	Skewness	2.395536
		55.56	Kurtosis	7.340325

IL8_C10

	Percentiles	Smallest		
1%	3.21	3.21		
5%	3.21	28.47		
10%	3.21	199.15	Obs	7
25%	28.47	443.81	Sum of wgt.	7
50%	443.81		Mean	1778.683
75%	1283.01	Largest	Std. dev.	3423.004
90%	9460.31	443.81		
95%	9460.31	1032.82	Variance	1.17e+07
99%	9460.31	1283.01	Skewness	1.954549
		9460.31	Kurtosis	4.972696

IL10_C10

	Percentiles	Smallest		
1%	.08	.08		
5%	.08	3.2		
10%	.08	3.47	Obs	7
25%	3.2	6.73	Sum of wgt.	7
50%	6.73		Mean	33.25714
75%	62.49	Largest	Std. dev.	41.2856
90%	107.56	6.73		
95%	107.56	49.27	Variance	1704.501
99%	107.56	62.49	Skewness	.8455645
		107.56	Kurtosis	2.314785

IL6_C10

	Percentiles	Smallest		
1%	.48	.48		
5%	.48	3.23		
10%	.48	4.41	Obs	7
25%	3.23	4.91	Sum of wgt.	7
50%	4.91		Mean	563.2843
75%	559.05	Largest	Std. dev.	1031.319
90%	2827.52	4.91		
95%	2827.52	543.39	Variance	1063618
99%	2827.52	559.05	Skewness	1.789754
		2827.52	Kurtosis	4.58526

TNFa_C10

	Percentiles	Smallest		
1%	2.71	2.71		
5%	2.71	3.36		
10%	2.71	21.32	Obs	7

25%	3.36	70.92	Sum of wgt.	7
50%	70.92		Mean	653.3871
		Largest	Std. dev.	1041.106
75%	1428.91	70.92		
90%	2707.3	339.19	Variance	1083901
95%	2707.3	1428.91	Skewness	1.292129
99%	2707.3	2707.3	Kurtosis	3.111564

IFNg_C10

Percentiles	Smallest		
1%	3.97	3.97	
5%	3.97	3.97	
10%	3.97	3.97	Obs 7
25%	3.97	3.97	Sum of wgt. 7
50%	3.97		Mean 3.97
		Largest	Std. dev. 0
75%	3.97	3.97	
90%	3.97	3.97	Variance 0
95%	3.97	3.97	Skewness .
99%	3.97	3.97	Kurtosis .

IL2_C10

Percentiles	Smallest		
1%	.21	.21	
5%	.21	.24	
10%	.21	.4	Obs 7
25%	.24	.64	Sum of wgt. 7
50%	.64		Mean .9642857
		Largest	Std. dev. 1.059007
75%	1.13	.64	
90%	3.24	.89	Variance 1.121495
95%	3.24	1.13	Skewness 1.631987
99%	3.24	3.24	Kurtosis 4.256497

IL4_C10

Percentiles	Smallest		
1%	1.6	1.6	
5%	1.6	2.6	
10%	1.6	2.6	Obs 7
25%	2.6	12.03	Sum of wgt. 7
50%	12.03		Mean 20.20571
		Largest	Std. dev. 24.61851
75%	43.2	12.03	
90%	65.34	14.07	Variance 606.0709
95%	65.34	43.2	Skewness 1.037236
99%	65.34	65.34	Kurtosis 2.512978

GMCSF_C10

Percentiles	Smallest		
1%	.32	.32	
5%	.32	.52	
10%	.32	.62	Obs 7
25%	.52	1.01	Sum of wgt. 7
50%	1.01		Mean 1.651429
		Largest	Std. dev. 1.59278
75%	3.28	1.01	
90%	4.47	1.34	Variance 2.536948
95%	4.47	3.28	Skewness .9583346
99%	4.47	4.47	Kurtosis 2.303286

IL8_LPS10

Percentiles	Smallest		
1%	3.21	3.21	

5%	3.21	861.26		
10%	3.21	2568.72	Obs	7
25%	861.26	4018.3	Sum of wgt.	7
50%	4018.3		Mean	6325.579
		Largest	Std. dev.	5781.7
75%	13004.76	4018.3		
90%	13375.2	10447.6	Variance	3.34e+07
95%	13375.2	13004.76	Skewness	.220907
99%	13375.2	13375.2	Kurtosis	1.299081

IL10_LPS10

	Percentiles	Smallest		
1%	1.37	1.37		
5%	1.37	24.7		
10%	1.37	27.85	Obs	7
25%	24.7	155.17	Sum of wgt.	7
50%	155.17		Mean	132.6814
		Largest	Std. dev.	119.0882
75%	272.46	155.17		
90%	289.26	157.96	Variance	14181.99
95%	289.26	272.46	Skewness	.204872
99%	289.26	289.26	Kurtosis	1.486414

IL6_LPS10

	Percentiles	Smallest		
1%	.55	.55		
5%	.55	434.17		
10%	.55	511.78	Obs	7
25%	434.17	1131.28	Sum of wgt.	7
50%	1131.28		Mean	3195.396
		Largest	Std. dev.	4999.047
75%	5095.25	1131.28		
90%	13853.76	1340.98	Variance	2.50e+07
95%	13853.76	5095.25	Skewness	1.627589
99%	13853.76	13853.76	Kurtosis	4.098066

TNFa_LPS10

	Percentiles	Smallest		
1%	.97	.97		
5%	.97	5.46		
10%	.97	13.01	Obs	7
25%	5.46	464.9	Sum of wgt.	7
50%	464.9		Mean	2804.994
		Largest	Std. dev.	4881.618
75%	4050.4	464.9		
90%	13356.43	1743.79	Variance	2.38e+07
95%	13356.43	4050.4	Skewness	1.69744
99%	13356.43	13356.43	Kurtosis	4.318642

IFNg_LPS10

	Percentiles	Smallest		
1%	0	0		
5%	0	.38		
10%	0	.9	Obs	7
25%	.38	1.13	Sum of wgt.	7
50%	1.13		Mean	1.965714
		Largest	Std. dev.	1.747997
75%	3.97	1.13		
90%	3.97	3.41	Variance	3.055495
95%	3.97	3.97	Skewness	.1934319
99%	3.97	3.97	Kurtosis	1.242503

IL2_LPS10

Percentiles		Smallest		
1%	.19	.19		
5%	.19	.64		
10%	.19	1.02	Obs	7
25%	.64	2.53	Sum of wgt.	7
50%	2.53		Mean	2.014286
		Largest	Std. dev.	1.352675
75%	3.24	2.53		
90%	3.24	3.24	Variance	1.829729
95%	3.24	3.24	Skewness	-.2900781
99%	3.24	3.24	Kurtosis	1.304592

IL4_LPS10

Percentiles		Smallest		
1%	2.6	2.6		
5%	2.6	2.8		
10%	2.6	3.29	Obs	7
25%	2.8	4.92	Sum of wgt.	7
50%	4.92		Mean	18.08429
		Largest	Std. dev.	21.06947
75%	42.33	4.92		
90%	52.87	17.78	Variance	443.9225
95%	52.87	42.33	Skewness	.8380639
99%	52.87	52.87	Kurtosis	1.973166

GMCSF_LPS10

Percentiles		Smallest		
1%	.1	.1		
5%	.1	.72		
10%	.1	1.61	Obs	7
25%	.72	1.75	Sum of wgt.	7
50%	1.75		Mean	2.751429
		Largest	Std. dev.	2.547812
75%	4.26	1.75		
90%	7.54	3.28	Variance	6.491348
95%	7.54	4.26	Skewness	.9129129
99%	7.54	7.54	Kurtosis	2.769704

IL8_poly10

Percentiles		Smallest		
1%	14.61	14.61		
5%	14.61	15.73		
10%	14.61	21.77	Obs	7
25%	15.73	238.07	Sum of wgt.	7
50%	238.07		Mean	2790.234
		Largest	Std. dev.	4518.007
75%	8451.04	238.07		
90%	10257.2	533.22	Variance	2.04e+07
95%	10257.2	8451.04	Skewness	.9870185
99%	10257.2	10257.2	Kurtosis	2.044602

IL10_poly10

Percentiles		Smallest		
1%	.08	.08		
5%	.08	3.13		
10%	.08	6.93	Obs	7
25%	3.13	8.29	Sum of wgt.	7
50%	8.29		Mean	24.11857
		Largest	Std. dev.	42.92489
75%	18.14	8.29		
90%	120.56	11.7	Variance	1842.546
95%	120.56	18.14	Skewness	1.963577
99%	120.56	120.56	Kurtosis	4.994923

IL6_poly10

Percentiles		Smallest		
1%	.89	.89		
5%	.89	3.23		
10%	.89	3.23	Obs	7
25%	3.23	4.14	Sum of wgt.	7
50%	4.14		Mean	474.0514
		Largest	Std. dev.	1147.386
75%	208.39	4.14		
90%	3070.47	28.01	Variance	1316494
95%	3070.47	208.39	Skewness	2.02334
99%	3070.47	3070.47	Kurtosis	5.125788

TNFa_poly10

Percentiles		Smallest		
1%	4.74	4.74		
5%	4.74	12.52		
10%	4.74	20.97	Obs	7
25%	12.52	27.29	Sum of wgt.	7
50%	27.29		Mean	510.1286
		Largest	Std. dev.	1077.581
75%	378.64	27.29		
90%	2933.72	193.02	Variance	1161181
95%	2933.72	378.64	Skewness	1.97385
99%	2933.72	2933.72	Kurtosis	5.01131

IFNg_poly10

Percentiles		Smallest		
1%	.38	.38		
5%	.38	.9		
10%	.38	1.13	Obs	7
25%	.9	3.97	Sum of wgt.	7
50%	3.97		Mean	2.612857
		Largest	Std. dev.	1.707129
75%	3.97	3.97		
90%	3.97	3.97	Variance	2.91429
95%	3.97	3.97	Skewness	-.3408446
99%	3.97	3.97	Kurtosis	1.187507

IL2_poly10

Percentiles		Smallest		
1%	.02	.02		
5%	.02	.49		
10%	.02	.78	Obs	7
25%	.49	.81	Sum of wgt.	7
50%	.81		Mean	1.368571
		Largest	Std. dev.	1.315883
75%	3.24	.81		
90%	3.24	1	Variance	1.731548
95%	3.24	3.24	Skewness	.7544809
99%	3.24	3.24	Kurtosis	1.859355

IL4_poly10

Percentiles		Smallest		
1%	0	0		
5%	0	1.6		
10%	0	2.6	Obs	7
25%	1.6	8.86	Sum of wgt.	7
50%	8.86		Mean	15.75714
		Largest	Std. dev.	16.03322
75%	31.97	8.86		
90%	37.13	28.14	Variance	257.064
95%	37.13	31.97	Skewness	.2868756

99% 37.13 37.13 Kurtosis 1.280912

GMCSF_poly10

	Percentiles	Smallest		
1%	.44	.44		
5%	.44	.44		
10%	.44	.93	Obs	7
25%	.44	2.17	Sum of wgt.	7
50%	2.17		Mean	2.225714
		Largest	Std. dev.	1.741779
75%	3.28	2.17		
90%	5.04	3.28	Variance	3.033795
95%	5.04	3.28	Skewness	.3771101
99%	5.04	5.04	Kurtosis	1.866629

IL8_Cdiff1

	Percentiles	Smallest		
1%	-16401.51	-16401.51		
5%	-16401.51	-5933.8		
10%	-16401.51	-2985.75	Obs	7
25%	-5933.8	-701.94	Sum of wgt.	7
50%	-701.94		Mean	-2430.03
		Largest	Std. dev.	7672.298
75%	365.54	-701.94		
90%	8980.46	-333.21	Variance	5.89e+07
95%	8980.46	365.54	Skewness	-.4976955
99%	8980.46	8980.46	Kurtosis	3.103035

IL10_Cdiff1

	Percentiles	Smallest		
1%	-482.21	-482.21		
5%	-482.21	-.39		
10%	-482.21	.22	Obs	7
25%	-.39	5.36	Sum of wgt.	7
50%	5.36		Mean	-38.17
		Largest	Std. dev.	199.5213
75%	57.36	5.36		
90%	104.36	48.11	Variance	39808.75
95%	104.36	57.36	Skewness	-1.880044
99%	104.36	104.36	Kurtosis	4.838704

IL6_Cdiff1

	Percentiles	Smallest		
1%	-2316.75	-2316.75		
5%	-2316.75	-11.68		
10%	-2316.75	-1.37	Obs	7
25%	-11.68	3.79	Sum of wgt.	7
50%	3.79		Mean	219.6329
		Largest	Std. dev.	1502.73
75%	557.29	3.79		
90%	2824.29	481.86	Variance	2258198
95%	2824.29	557.29	Skewness	.0730363
99%	2824.29	2824.29	Kurtosis	3.334031

TNFa_Cdiff1

	Percentiles	Smallest		
1%	-4199.33	-4199.33		
5%	-4199.33	-172.85		
10%	-4199.33	-2.65	Obs	7
25%	-172.85	0	Sum of wgt.	7
50%	0		Mean	10.40857
		Largest	Std. dev.	2125.513
75%	1423.06	0		

90%	2704.8	319.83	Variance	4517805
95%	2704.8	1423.06	Skewness	-.9786182
99%	2704.8	2704.8	Kurtosis	3.532125

IFNg_Cdiff1

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	7
25%	0	0	Sum of wgt.	7
50%	0		Mean	.3357143
		Largest	Std. dev.	.8882165
75%	0	0		
90%	2.35	0	Variance	.7889286
95%	2.35	0	Skewness	2.041241
99%	2.35	2.35	Kurtosis	5.166667

IL2_Cdiff1

Percentiles		Smallest		
1%	-3	-3		
5%	-3	-.39		
10%	-3	-.38	Obs	7
25%	-.39	-.25	Sum of wgt.	7
50%	-.25		Mean	-.4657143
		Largest	Std. dev.	1.190194
75%	0	-.25		
90%	.81	-.05	Variance	1.416562
95%	.81	0	Skewness	-1.49662
99%	.81	.81	Kurtosis	4.261434

IL4_Cdiff1

Percentiles		Smallest		
1%	-313.67	-313.67		
5%	-313.67	-20.94		
10%	-313.67	-16.54	Obs	7
25%	-20.94	-6	Sum of wgt.	7
50%	-6		Mean	-45.71
		Largest	Std. dev.	119.7009
75%	0	-6		
90%	38.18	-1	Variance	14328.3
95%	38.18	0	Skewness	-1.927337
99%	38.18	38.18	Kurtosis	4.941217

GMCSF_Cdiff1

Percentiles		Smallest		
1%	-1.1	-1.1		
5%	-1.1	-.75		
10%	-1.1	0	Obs	7
25%	-.75	.2	Sum of wgt.	7
50%	.2		Mean	.1228571
		Largest	Std. dev.	.8295926
75%	.92	.2		
90%	1.19	.4	Variance	.6882238
95%	1.19	.92	Skewness	-.237097
99%	1.19	1.19	Kurtosis	1.85696

IL8_LPSdiff1

Percentiles		Smallest		
1%	-14432.44	-14432.44		
5%	-14432.44	-11179.58		
10%	-14432.44	-10335.33	Obs	7
25%	-11179.58	-8704	Sum of wgt.	7
50%	-8704		Mean	-4552.603

		Largest	Std. dev.	9422.914
75%	1857.84	-8704		
90%	12492.64	-1567.35	Variance	8.88e+07
95%	12492.64	1857.84	Skewness	.80084
99%	12492.64	12492.64	Kurtosis	2.443009

IL10_LPSdiff1

	Percentiles	Smallest		
1%	-1100.4	-1100.4		
5%	-1100.4	-537		
10%	-1100.4	-293.45	Obs	7
25%	-537	-35.04	Sum of wgt.	7
50%	-35.04		Mean	-229.7071
		Largest	Std. dev.	466.3614
75%	71.79	-35.04		
90%	287.35	-1.2	Variance	217492.9
95%	287.35	71.79	Skewness	-.895228
99%	287.35	287.35	Kurtosis	2.744067

IL6_LPSdiff1

	Percentiles	Smallest		
1%	-7243.73	-7243.73		
5%	-7243.73	-5420.6		
10%	-7243.73	-339.51	Obs	7
25%	-5420.6	-302.76	Sum of wgt.	7
50%	-302.76		Mean	729.4986
		Largest	Std. dev.	6960.081
75%	4517.61	-302.76		
90%	13853.14	42.34	Variance	4.84e+07
95%	13853.14	4517.61	Skewness	.8395953
99%	13853.14	13853.14	Kurtosis	2.928545

TNFa_LPSdiff1

	Percentiles	Smallest		
1%	-57509.36	-57509.36		
5%	-57509.36	-269.38		
10%	-57509.36	-98.85	Obs	7
25%	-269.38	-49.52	Sum of wgt.	7
50%	-49.52		Mean	-5784.853
		Largest	Std. dev.	23328.03
75%	3764.63	-49.52		
90%	13331.73	336.78	Variance	5.44e+08
95%	13331.73	3764.63	Skewness	-1.840026
99%	13331.73	13331.73	Kurtosis	4.79576

IFNg_LPSdiff1

	Percentiles	Smallest		
1%	-3.97	-3.97		
5%	-3.97	-3.59		
10%	-3.97	-2.84	Obs	7
25%	-3.59	-.56	Sum of wgt.	7
50%	-.56		Mean	-1.485714
		Largest	Std. dev.	1.910077
75%	0	-.56		
90%	.56	0	Variance	3.648395
95%	.56	0	Skewness	-.2898538
99%	.56	.56	Kurtosis	1.3009

IL2_LPSdiff1

	Percentiles	Smallest		
1%	-.56	-.56		
5%	-.56	-.17		
10%	-.56	0	Obs	7
25%	-.17	0	Sum of wgt.	7

50%	0		Mean	.4242857
75%	.88	Largest	Std. dev.	1.069172
90%	2.64	0	Variance	1.143129
95%	2.64	.18	Skewness	1.420136
99%	2.64	.88	Kurtosis	3.761232
		2.64		

IL4_LPSdiff1

Percentiles		Smallest		
1%	-377.27	-377.27		
5%	-377.27	-31.11		
10%	-377.27	-30.88	Obs	7
25%	-31.11	-17.29	Sum of wgt.	7
50%	-17.29		Mean	-57.82286
		Largest	Std. dev.	143.602
75%	1	-17.29		
90%	50.79	0	Variance	20621.54
95%	50.79	1	Skewness	-1.873286
99%	50.79	50.79	Kurtosis	4.837487

GMCSF_LPSdiff1

Percentiles		Smallest		
1%	-8.04	-8.04		
5%	-8.04	-1.53		
10%	-8.04	-1.45	Obs	7
25%	-1.53	-1.02	Sum of wgt.	7
50%	-1.02		Mean	-.17
		Largest	Std. dev.	4.508381
75%	2.33	-1.02		
90%	6.53	1.99	Variance	20.3255
95%	6.53	2.33	Skewness	-.3265148
99%	6.53	6.53	Kurtosis	2.785756

IL8_polydiff1

Percentiles		Smallest		
1%	-19229.4	-19229.4		
5%	-19229.4	-15316.13		
10%	-19229.4	-8079.18	Obs	7
25%	-15316.13	-418.11	Sum of wgt.	7
50%	-418.11		Mean	-4476.561
		Largest	Std. dev.	10221.56
75%	2125.23	-418.11		
90%	9635.27	-53.61	Variance	1.04e+08
95%	9635.27	2125.23	Skewness	-.2157446
99%	9635.27	9635.27	Kurtosis	1.844587

IL10_polydiff1

Percentiles		Smallest		
1%	-769.06	-769.06		
5%	-769.06	-765.56		
10%	-769.06	-1.36	Obs	7
25%	-765.56	1.33	Sum of wgt.	7
50%	1.33		Mean	-199.7714
		Largest	Std. dev.	389.9
75%	10.32	1.33		
90%	117.36	8.57	Variance	152022
95%	117.36	10.32	Skewness	-.9095092
99%	117.36	117.36	Kurtosis	1.890044

IL6_polydiff1

Percentiles		Smallest		
1%	-9666.46	-9666.46		
5%	-9666.46	-792.86		

10%	-9666.46	-.84	Obs	7
25%	-792.86	.98	Sum of wgt.	7
50%	.98		Mean	-1037.749
		Largest	Std. dev.	3999.02
75%	119.56	.98		
90%	3067.24	8.14	Variance	1.60e+07
95%	3067.24	119.56	Skewness	-1.599788
99%	3067.24	3067.24	Kurtosis	4.434615

TNFa_polydiff1

	Percentiles	Smallest		
1%	-10054.87	-10054.87		
5%	-10054.87	-710.59		
10%	-10054.87	-.93	Obs	7
25%	-710.59	9.2	Sum of wgt.	7
50%	9.2		Mean	-1081.874
		Largest	Std. dev.	4123.572
75%	165.52	9.2		
90%	2928.36	90.19	Variance	1.70e+07
95%	2928.36	165.52	Skewness	-1.673464
99%	2928.36	2928.36	Kurtosis	4.538356

IFNg_polydiff1

	Percentiles	Smallest		
1%	-3.59	-3.59		
5%	-3.59	-.92		
10%	-3.59	-.83	Obs	7
25%	-.92	0	Sum of wgt.	7
50%	0		Mean	-.3028571
		Largest	Std. dev.	2.00623
75%	0	0		
90%	3.22	0	Variance	4.024957
95%	3.22	0	Skewness	.1762022
99%	3.22	3.22	Kurtosis	3.252967

IL2_polydiff1

	Percentiles	Smallest		
1%	-.78	-.78		
5%	-.78	-.55		
10%	-.78	-.48	Obs	7
25%	-.55	-.47	Sum of wgt.	7
50%	-.47		Mean	-.3171429
		Largest	Std. dev.	.3321001
75%	0	-.47		
90%	.06	0	Variance	.1102905
95%	.06	0	Skewness	-.0110008
99%	.06	.06	Kurtosis	1.447475

IL4_polydiff1

	Percentiles	Smallest		
1%	-452.11	-452.11		
5%	-452.11	-23.69		
10%	-452.11	-19.71	Obs	7
25%	-23.69	-18.44	Sum of wgt.	7
50%	-18.44		Mean	-67.79714
		Largest	Std. dev.	170.7318
75%	2.32	-18.44		
90%	37.05	0	Variance	29149.35
95%	37.05	2.32	Skewness	-1.976302
99%	37.05	37.05	Kurtosis	5.033501

GMCSF_polydiff1

	Percentiles	Smallest		
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1%	-55.12	-55.12		
5%	-55.12	-2.84		
10%	-55.12	-2.68	Obs	7
25%	-2.84	0	Sum of wgt.	7
50%	0		Mean	-7.811429
		Largest	Std. dev.	21.00422
75%	.83	0		
90%	4.42	.71	Variance	441.1771
95%	4.42	.83	Skewness	-1.982564
99%	4.42	4.42	Kurtosis	5.042354

IL8_C6

Percentiles		Smallest		
1%	92.89	92.89		
5%	92.89	122.39		
10%	122.39	232.11	Obs	11
25%	232.11	246.03	Sum of wgt.	11
50%	502.98		Mean	4783.56
		Largest	Std. dev.	6560.899
75%	11369.94	8482.77		
90%	12077.63	11369.94	Variance	4.30e+07
95%	18267.4	12077.63	Skewness	.9497615
99%	18267.4	18267.4	Kurtosis	2.417942

IL10_C6

Percentiles		Smallest		
1%	.47	.47		
5%	.47	2.02		
10%	2.02	2.09	Obs	11
25%	2.09	3.59	Sum of wgt.	11
50%	5.41		Mean	94.04455
		Largest	Std. dev.	179.4721
75%	177.96	11.21		
90%	249.92	177.96	Variance	32210.24
95%	570.1	249.92	Skewness	1.932452
99%	570.1	570.1	Kurtosis	5.568092

IL6_C6

Percentiles		Smallest		
1%	1	1		
5%	1	1.05		
10%	1.05	1.46	Obs	11
25%	1.46	3.35	Sum of wgt.	11
50%	38.55		Mean	2126.177
		Largest	Std. dev.	3604.854
75%	7053.92	97.79		
90%	7498.66	7053.92	Variance	1.30e+07
95%	8583.04	7498.66	Skewness	1.053
99%	8583.04	8583.04	Kurtosis	2.159508

TNFa_C6

Percentiles		Smallest		
1%	14.48	14.48		
5%	14.48	14.68		
10%	14.68	14.85	Obs	11
25%	14.85	21.64	Sum of wgt.	11
50%	40.04		Mean	3314.986
		Largest	Std. dev.	7070.344
75%	3128.88	215.39		
90%	10597.9	3128.88	Variance	5.00e+07
95%	22329.78	10597.9	Skewness	2.072077
99%	22329.78	22329.78	Kurtosis	5.918252

IFNg_C6

Percentiles		Smallest		
1%	.38	.38		
5%	.38	1.82		
10%	1.82	1.96	Obs	11
25%	1.96	2.26	Sum of wgt.	11
50%	3.97		Mean	3.353636
		Largest	Std. dev.	2.022277
75%	3.97	3.97		
90%	4.16	3.97	Variance	4.089605
95%	8.17	4.16	Skewness	.9887017
99%	8.17	8.17	Kurtosis	4.140063

IL2_C6

Percentiles		Smallest		
1%	.18	.18		
5%	.18	.39		
10%	.39	.52	Obs	11
25%	.52	.6	Sum of wgt.	11
50%	1.47		Mean	1.834545
		Largest	Std. dev.	1.382573
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.911507
95%	3.24	3.24	Skewness	.0433136
99%	3.24	3.24	Kurtosis	1.136276

IL4_C6

Percentiles		Smallest		
1%	.28	.28		
5%	.28	1.6		
10%	1.6	2.6	Obs	11
25%	2.6	4.27	Sum of wgt.	11
50%	14.07		Mean	227.6182
		Largest	Std. dev.	521.9645
75%	252.94	82.53		
90%	298.45	252.94	Variance	272446.9
95%	1769.15	298.45	Skewness	2.648225
99%	1769.15	1769.15	Kurtosis	8.391609

GMCSF_C6

Percentiles		Smallest		
1%	.06	.06		
5%	.06	.52		
10%	.52	.83	Obs	11
25%	.83	1.01	Sum of wgt.	11
50%	3.28		Mean	8.042727
		Largest	Std. dev.	19.78103
75%	3.63	3.28		
90%	3.67	3.63	Variance	391.2892
95%	67.54	3.67	Skewness	2.820738
99%	67.54	67.54	Kurtosis	9.014944

IL8_LPS6

Percentiles		Smallest		
1%	1085.51	1085.51		
5%	1085.51	5673.55		
10%	5673.55	9812.64	Obs	11
25%	9812.64	10648.46	Sum of wgt.	11
50%	11843.73		Mean	175103.4
		Largest	Std. dev.	545327.1
75%	15727.71	12748.73		
90%	15901.93	15727.71	Variance	2.97e+11
95%	1819277	15901.93	Skewness	2.845735
99%	1819277	1819277	Kurtosis	9.098941

IL10_LPS6

Percentiles		Smallest		
1%	5.77	5.77		
5%	5.77	8.61		
10%	8.61	12.42	Obs	11
25%	12.42	29.74	Sum of wgt.	11
50%	75.83		Mean	139.4645
		Largest	Std. dev.	140.018
75%	287.93	259.71		
90%	330.01	287.93	Variance	19605.03
95%	352.86	330.01	Skewness	.4706833
99%	352.86	352.86	Kurtosis	1.496934

IL6_LPS6

Percentiles		Smallest		
1%	113.79	113.79		
5%	113.79	278.05		
10%	278.05	305.44	Obs	11
25%	305.44	610.52	Sum of wgt.	11
50%	1077.28		Mean	93860.77
		Largest	Std. dev.	296441.9
75%	10557.34	10439.98		
90%	10940.76	10557.34	Variance	8.79e+10
95%	987546	10940.76	Skewness	2.844641
99%	987546	987546	Kurtosis	9.095239

TNFa_LPS6

Percentiles		Smallest		
1%	243.95	243.95		
5%	243.95	361.67		
10%	361.67	453.55	Obs	11
25%	453.55	593.62	Sum of wgt.	11
50%	1300.82		Mean	3441.343
		Largest	Std. dev.	3953.449
75%	6420.08	5084.73		
90%	8763.55	6420.08	Variance	1.56e+07
95%	11599.65	8763.55	Skewness	.9887235
99%	11599.65	11599.65	Kurtosis	2.580981

IFNg_LPS6

Percentiles		Smallest		
1%	.75	.75		
5%	.75	1.82		
10%	1.82	2.24	Obs	11
25%	2.24	3.31	Sum of wgt.	11
50%	3.97		Mean	3.473636
		Largest	Std. dev.	1.449112
75%	3.97	3.97		
90%	3.97	3.97	Variance	2.099925
95%	6.27	3.97	Skewness	-.1381334
99%	6.27	6.27	Kurtosis	3.151439

IL2_LPS6

Percentiles		Smallest		
1%	.01	.01		
5%	.01	.19		
10%	.19	.52	Obs	11
25%	.52	.65	Sum of wgt.	11
50%	.98		Mean	1.773636
		Largest	Std. dev.	1.431623
75%	3.24	3.24		
90%	3.24	3.24	Variance	2.049545

95%	3.24	3.24	Skewness	.0672143
99%	3.24	3.24	Kurtosis	1.151696

IL4_LPS6

Percentiles		Smallest		
1%	2.6	2.6		
5%	2.6	2.6		
10%	2.6	3.29	Obs	11
25%	3.29	5.77	Sum of wgt.	11
50%	31.95		Mean	203.6982
		Largest	Std. dev.	454.409
75%	203.73	72.01		
90%	333.09	203.73	Variance	206487.5
95%	1536.6	333.09	Skewness	2.592336
99%	1536.6	1536.6	Kurtosis	8.168989

GMCSF_LPS6

Percentiles		Smallest		
1%	.72	.72		
5%	.72	.95		
10%	.95	1.01	Obs	11
25%	1.01	3.28	Sum of wgt.	11
50%	3.28		Mean	3.361818
		Largest	Std. dev.	1.966483
75%	4.06	4.01		
90%	5.63	4.06	Variance	3.867056
95%	7.13	5.63	Skewness	.2803823
99%	7.13	7.13	Kurtosis	2.513058

IL8_poly6

Percentiles		Smallest		
1%	86.98	86.98		
5%	86.98	103.43		
10%	103.43	168.04	Obs	11
25%	168.04	305.47	Sum of wgt.	11
50%	884.67		Mean	5337.495
		Largest	Std. dev.	6919.422
75%	11578.35	9118.38		
90%	14078.09	11578.35	Variance	4.79e+07
95%	19213.36	14078.09	Skewness	.9087741
99%	19213.36	19213.36	Kurtosis	2.323674

IL10_poly6

Percentiles		Smallest		
1%	2.68	2.68		
5%	2.68	2.76		
10%	2.76	3.02	Obs	11
25%	3.02	3.2	Sum of wgt.	11
50%	7.02		Mean	99.93909
		Largest	Std. dev.	187.1009
75%	195.65	10.72		
90%	273.02	195.65	Variance	35006.74
95%	588.92	273.02	Skewness	1.860048
99%	588.92	588.92	Kurtosis	5.277875

IL6_poly6

Percentiles		Smallest		
1%	.96	.96		
5%	.96	1.06		
10%	1.06	1.15	Obs	11
25%	1.15	2.96	Sum of wgt.	11
50%	50.35		Mean	2825.329
		Largest	Std. dev.	4955.586

75%	6877.61	180.32		
90%	11011.63	6877.61	Variance	2.46e+07
95%	12836.83	11011.63	Skewness	1.246399
99%	12836.83	12836.83	Kurtosis	2.788234

TNFa_poly6

Percentiles		Smallest		
1%	14.64	14.64		
5%	14.64	14.85		
10%	14.85	18.44	Obs	11
25%	18.44	21.4	Sum of wgt.	11
50%	42.79		Mean	2771.188
		Largest	Std. dev.	5560.75
75%	2443.58	283.55		
90%	11490.44	2443.58	Variance	3.09e+07
95%	15987.24	11490.44	Skewness	1.715858
99%	15987.24	15987.24	Kurtosis	4.223878

IFNg_poly6

Percentiles		Smallest		
1%	.54	.54		
5%	.54	.54		
10%	.54	1.51	Obs	11
25%	1.51	2.26	Sum of wgt.	11
50%	3.31		Mean	3.593636
		Largest	Std. dev.	2.788689
75%	3.97	3.97		
90%	6.04	3.97	Variance	7.776785
95%	10.39	6.04	Skewness	1.258162
99%	10.39	10.39	Kurtosis	4.30238

IL2_poly6

Percentiles		Smallest		
1%	.31	.31		
5%	.31	.64		
10%	.64	.74	Obs	11
25%	.74	1.02	Sum of wgt.	11
50%	3.24		Mean	2.117273
		Largest	Std. dev.	1.306431
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.706762
95%	3.24	3.24	Skewness	-.2588235
99%	3.24	3.24	Kurtosis	1.167738

IL4_poly6

Percentiles		Smallest		
1%	0	0		
5%	0	.28		
10%	.28	.28	Obs	11
25%	.28	1.38	Sum of wgt.	11
50%	16.85		Mean	226.8709
		Largest	Std. dev.	515.5867
75%	278.25	78.95		
90%	321.54	278.25	Variance	265829.7
95%	1742.2	321.54	Skewness	2.606113
99%	1742.2	1742.2	Kurtosis	8.232811

GMCSF_poly6

Percentiles		Smallest		
1%	.62	.62		
5%	.62	1.82		
10%	1.82	2.46	Obs	11
25%	2.46	2.58	Sum of wgt.	11

50%	3.28		Mean	11.31909
75%	3.28	Largest	Std. dev.	28.60189
90%	3.28	3.28	Variance	818.0679
95%	97.52	3.28	Skewness	2.841533
99%	97.52	97.52	Kurtosis	9.084949

IL8_Cdiff2

	Percentiles	Smallest		
1%	-1160.62	-1160.62		
5%	-1160.62	-800.71		
10%	-1160.62	-350.92	Obs	7
25%	-800.71	252.67	Sum of wgt.	7
50%	252.67		Mean	2694.139
75%	1909.63	Largest	Std. dev.	6942.003
90%	18264.19	252.67	Variance	4.82e+07
95%	18264.19	744.73	Skewness	1.950069
99%	18264.19	1909.63	Kurtosis	4.962973
		18264.19		

IL10_Cdiff2

	Percentiles	Smallest		
1%	-60.4	-60.4		
5%	-60.4	-44.3		
10%	-60.4	-1.45	Obs	7
25%	-44.3	.39	Sum of wgt.	7
50%	.39		Mean	76.57429
75%	174.76	Largest	Std. dev.	186.669
90%	462.54	.39	Variance	34845.32
95%	462.54	4.48	Skewness	1.461738
99%	462.54	174.76	Kurtosis	3.674966
		462.54		

IL6_Cdiff2

	Percentiles	Smallest		
1%	-555.7	-555.7		
5%	-555.7	-529.87		
10%	-555.7	-3.91	Obs	7
25%	-529.87	.57	Sum of wgt.	7
50%	.57		Mean	1686.929
75%	5755.52	Largest	Std. dev.	3253.614
90%	7050.69	.57	Variance	1.06e+07
95%	7050.69	91.2	Skewness	.9711046
99%	7050.69	5755.52	Kurtosis	2.03689
		7050.69		

TNFa_Cdiff2

	Percentiles	Smallest		
1%	-1407.27	-1407.27		
5%	-1407.27	-324.51		
10%	-1407.27	-56.44	Obs	7
25%	-324.51	12.14	Sum of wgt.	7
50%	12.14		Mean	3002.034
75%	3125.52	Largest	Std. dev.	7458.954
90%	19622.48	12.14	Variance	5.56e+07
95%	19622.48	42.32	Skewness	1.903257
99%	19622.48	3125.52	Kurtosis	4.840293
		19622.48		

IFNg_Cdiff2

	Percentiles	Smallest		
1%	-3.59	-3.59		
5%	-3.59	-2.15		
10%	-3.59	-1.71	Obs	7

25%	-2.15	-1.71	Sum of wgt.	7
50%	-1.71		Mean	-1.281429
		Largest	Std. dev.	1.408337
75%	0	-1.71		
90%	.19	0	Variance	1.983414
95%	.19	0	Skewness	-.3687702
99%	.19	.19	Kurtosis	1.933633

IL2_Cdiff2

Percentiles	Smallest			
1%	-.74	-.74		
5%	-.74	-.07		
10%	-.74	-.06	Obs	7
25%	-.07	0	Sum of wgt.	7
50%	0		Mean	.4557143
		Largest	Std. dev.	1.225573
75%	.83	0		
90%	3.03	.2	Variance	1.502029
95%	3.03	.83	Skewness	1.467738
99%	3.03	3.03	Kurtosis	3.979636

IL4_Cdiff2

Percentiles	Smallest			
1%	-52.51	-52.51		
5%	-52.51	-1		
10%	-52.51	0	Obs	7
25%	-1	12.47	Sum of wgt.	7
50%	12.47		Mean	284.8971
		Largest	Std. dev.	642.3501
75%	238.87	12.47		
90%	1725.95	70.5	Variance	412613.6
95%	1725.95	238.87	Skewness	1.954414
99%	1725.95	1725.95	Kurtosis	4.963914

GMCSF_Cdiff2

Percentiles	Smallest			
1%	-.51	-.51		
5%	-.51	0		
10%	-.51	0	Obs	7
25%	0	.2	Sum of wgt.	7
50%	.2		Mean	9.845714
		Largest	Std. dev.	23.51784
75%	3.11	.2		
90%	63.07	3.05	Variance	553.0888
95%	63.07	3.11	Skewness	2.023916
99%	63.07	63.07	Kurtosis	5.128303

IL8_LPSdiff2

Percentiles	Smallest			
1%	-256.03	-256.03		
5%	-256.03	1655.25		
10%	-256.03	1847.76	Obs	7
25%	1655.25	2352.51	Sum of wgt.	7
50%	2352.51		Mean	264169.9
		Largest	Std. dev.	685381.4
75%	15898.72	2352.51		
90%	1818416	9275.01	Variance	4.70e+11
95%	1818416	15898.72	Skewness	2.040949
99%	1818416	1818416	Kurtosis	5.166028

IL10_LPSdiff2

Percentiles	Smallest			
1%	-196.63	-196.63		

5%	-196.63	-149.4		
10%	-196.63	-120.71	Obs	7
25%	-149.4	5.04	Sum of wgt.	7
50%	5.04		Mean	27.23143
		Largest	Std. dev.	208.0857
75%	286.56	5.04		
90%	325.01	40.75	Variance	43299.64
95%	325.01	286.56	Skewness	.4769065
99%	325.01	325.01	Kurtosis	1.695635

IL6_LPSdiff2

	Percentiles	Smallest		
1%	-4484.73	-4484.73		
5%	-4484.73	-3296.42		
10%	-4484.73	-1227.19	Obs	7
25%	-3296.42	-54	Sum of wgt.	7
50%	-54		Mean	1731.789
		Largest	Std. dev.	6209.615
75%	10005.81	-54		
90%	10940.21	238.84	Variance	3.86e+07
95%	10940.21	10005.81	Skewness	.7104686
99%	10940.21	10940.21	Kurtosis	1.844156

TNFa_LPSdiff2

	Percentiles	Smallest		
1%	-6936.35	-6936.35		
5%	-6936.35	-3277.03		
10%	-6936.35	-442.97	Obs	7
25%	-3277.03	-220.95	Sum of wgt.	7
50%	-220.95		Mean	473.3157
		Largest	Std. dev.	5167.722
75%	5079.27	-220.95		
90%	8762.58	348.66	Variance	2.67e+07
95%	8762.58	5079.27	Skewness	.2695197
99%	8762.58	8762.58	Kurtosis	2.286004

IFNg_LPSdiff2

	Percentiles	Smallest		
1%	-1.73	-1.73		
5%	-1.73	0		
10%	-1.73	.37	Obs	7
25%	0	.92	Sum of wgt.	7
50%	.92		Mean	1.318571
		Largest	Std. dev.	1.992146
75%	2.86	.92		
90%	3.97	2.84	Variance	3.968648
95%	3.97	2.86	Skewness	-.1302025
99%	3.97	3.97	Kurtosis	1.85995

IL2_LPSdiff2

	Percentiles	Smallest		
1%	-3.23	-3.23		
5%	-3.23	-3.05		
10%	-3.23	-1.55	Obs	7
25%	-3.05	-.5	Sum of wgt.	7
50%	-.5		Mean	-.7085714
		Largest	Std. dev.	2.170955
75%	.32	-.5		
90%	3.05	0	Variance	4.713048
95%	3.05	.32	Skewness	.4413938
99%	3.05	3.05	Kurtosis	2.380283

IL4_LPSdiff2

Percentiles		Smallest		
1%	-28.69	-28.69		
5%	-28.69	-2.32		
10%	-28.69	0	Obs	7
25%	-2.32	29.35	Sum of wgt.	7
50%	29.35		Mean	242.9457
		Largest	Std. dev.	551.6077
75%	185.95	29.35		
90%	1483.73	32.6	Variance	304271.1
95%	1483.73	185.95	Skewness	1.975561
99%	1483.73	1483.73	Kurtosis	5.012908

GMCSF_LPSdiff2

Percentiles		Smallest		
1%	-3.53	-3.53		
5%	-3.53	-.98		
10%	-3.53	-.6	Obs	7
25%	-.98	0	Sum of wgt.	7
50%	0		Mean	1.244286
		Largest	Std. dev.	3.438434
75%	5.38	0		
90%	5.53	2.91	Variance	11.82283
95%	5.53	5.38	Skewness	.1153511
99%	5.53	5.53	Kurtosis	1.663192

IL8_polydiff2

Percentiles		Smallest		
1%	-8283	-8283		
5%	-8283	65.21		
10%	-8283	290.86	Obs	7
25%	65.21	442.12	Sum of wgt.	7
50%	442.12		Mean	2142.319
		Largest	Std. dev.	8275.573
75%	1962.26	442.12		
90%	19197.63	1321.15	Variance	6.85e+07
95%	19197.63	1962.26	Skewness	1.209308
99%	19197.63	19197.63	Kurtosis	3.999216

IL10_polydiff2

Percentiles		Smallest		
1%	-15.38	-15.38		
5%	-15.38	-9.02		
10%	-15.38	.46	Obs	7
25%	-9.02	2.43	Sum of wgt.	7
50%	2.43		Mean	91.24143
		Largest	Std. dev.	181.2158
75%	188.72	2.43		
90%	468.36	3.12	Variance	32839.18
95%	468.36	188.72	Skewness	1.518777
99%	468.36	468.36	Kurtosis	3.739026

IL6_polydiff2

Percentiles		Smallest		
1%	-183.12	-183.12		
5%	-183.12	-26.95		
10%	-183.12	-2.08	Obs	7
25%	-26.95	2.07	Sum of wgt.	7
50%	2.07		Mean	2098.829
		Largest	Std. dev.	3640.634
75%	6874.38	2.07		
90%	7941.16	86.34	Variance	1.33e+07
95%	7941.16	6874.38	Skewness	.9707116
99%	7941.16	7941.16	Kurtosis	1.978942

TNFa_polydiff2

Percentiles		Smallest		
1%	-360.2	-360.2		
5%	-360.2	-69.33		
10%	-360.2	2.12	Obs	7
25%	-69.33	10.11	Sum of wgt.	7
50%	10.11		Mean	2153.427
		Largest	Std. dev.	4897.917
75%	2422.61	10.11		
90%	13053.52	15.16	Variance	2.40e+07
95%	13053.52	2422.61	Skewness	1.897721
99%	13053.52	13053.52	Kurtosis	4.812642

IFNg_polydiff2

Percentiles		Smallest		
1%	-3.43	-3.43		
5%	-3.43	-.94		
10%	-3.43	0	Obs	7
25%	-.94	1.13	Sum of wgt.	7
50%	1.13		Mean	.4328571
		Largest	Std. dev.	2.144782
75%	2.07	1.13		
90%	3.07	1.13	Variance	4.60009
95%	3.07	2.07	Skewness	-.6733435
99%	3.07	3.07	Kurtosis	2.593699

IL2_polydiff2

Percentiles		Smallest		
1%	-2.93	-2.93		
5%	-2.93	-.26		
10%	-2.93	0	Obs	7
25%	-.26	.21	Sum of wgt.	7
50%	.21		Mean	.4785714
		Largest	Std. dev.	2.047514
75%	2.75	.21		
90%	3.22	.36	Variance	4.192314
95%	3.22	2.75	Skewness	-.1638619
99%	3.22	3.22	Kurtosis	2.416714

IL4_polydiff2

Percentiles		Smallest		
1%	-16.71	-16.71		
5%	-16.71	-2.32		
10%	-16.71	-1.6	Obs	7
25%	-2.32	16.85	Sum of wgt.	7
50%	16.85		Mean	283.3043
		Largest	Std. dev.	633.7149
75%	250.11	16.85		
90%	1705.07	31.73	Variance	401594.6
95%	1705.07	250.11	Skewness	1.956327
99%	1705.07	1705.07	Kurtosis	4.96307

GMCSF_polydiff2

Percentiles		Smallest		
1%	-.7	-.7		
5%	-.7	-.31		
10%	-.7	0	Obs	7
25%	-.31	1.11	Sum of wgt.	7
50%	1.11		Mean	13.80429
		Largest	Std. dev.	34.71189
75%	2.67	1.11		
90%	92.48	1.38	Variance	1204.916
95%	92.48	2.67	Skewness	2.036529

99%	92.48	92.48	Kurtosis	5.156342
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IL8_C12

	Percentiles	Smallest		
1%	16.27	16.27		
5%	16.27	26.49		
10%	26.49	27.09	Obs	11
25%	27.09	38.15	Sum of wgt.	11
50%	123.89		Mean	403.1682
		Largest	Std. dev.	839.0196
75%	278.03	270.38		
90%	475.79	278.03	Variance	703953.9
95%	2894.2	475.79	Skewness	2.693984
99%	2894.2	2894.2	Kurtosis	8.56993

IL10_C12

	Percentiles	Smallest		
1%	.37	.37		
5%	.37	1.59		
10%	1.59	1.75	Obs	11
25%	1.75	2.09	Sum of wgt.	11
50%	2.91		Mean	3.495455
		Largest	Std. dev.	2.404414
75%	4.77	4.51		
90%	5.44	4.77	Variance	5.781207
95%	9.14	5.44	Skewness	1.086473
99%	9.14	9.14	Kurtosis	3.802891

IL6_C12

	Percentiles	Smallest		
1%	.94	.94		
5%	.94	3.23		
10%	3.23	4.12	Obs	11
25%	4.12	5.25	Sum of wgt.	11
50%	9.62		Mean	19.17182
		Largest	Std. dev.	20.21412
75%	32.76	23.1		
90%	53.67	32.76	Variance	408.6106
95%	57.15	53.67	Skewness	1.014143
99%	57.15	57.15	Kurtosis	2.514892

TNFa_C12

	Percentiles	Smallest		
1%	10.67	10.67		
5%	10.67	13.01		
10%	13.01	15.71	Obs	11
25%	15.71	17.72	Sum of wgt.	11
50%	22.61		Mean	96.19818
		Largest	Std. dev.	211.7894
75%	51.33	28.76		
90%	127.95	51.33	Variance	44854.76
95%	726.77	127.95	Skewness	2.726248
99%	726.77	726.77	Kurtosis	8.660265

IFNg_C12

	Percentiles	Smallest		
1%	0	0		
5%	0	.9		
10%	.9	.9	Obs	11
25%	.9	1.27	Sum of wgt.	11
50%	1.96		Mean	2.229091
		Largest	Std. dev.	1.56024
75%	3.97	2.64		

90%	4.16	3.97	Variance	2.434349
95%	4.95	4.16	Skewness	.4319741
99%	4.95	4.95	Kurtosis	2.041343

IL2_C12

Percentiles		Smallest		
1%	.05	.05		
5%	.05	.08		
10%	.08	.3	Obs	11
25%	.3	.4	Sum of wgt.	11
50%	.97		Mean	1.514545
		Largest	Std. dev.	1.406381
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.977907
95%	3.24	3.24	Skewness	.4045528
99%	3.24	3.24	Kurtosis	1.358976

IL4_C12

Percentiles		Smallest		
1%	2.8	2.8		
5%	2.8	9.55		
10%	9.55	12.23	Obs	11
25%	12.23	45.82	Sum of wgt.	11
50%	155.07		Mean	281.93
		Largest	Std. dev.	344.4121
75%	645.11	261.49		
90%	729.36	645.11	Variance	118619.7
95%	991.76	729.36	Skewness	1.049778
99%	991.76	991.76	Kurtosis	2.605793

GMCSF_C12

Percentiles		Smallest		
1%	.12	.12		
5%	.12	.44		
10%	.44	.81	Obs	11
25%	.81	1.14	Sum of wgt.	11
50%	1.14		Mean	1.871818
		Largest	Std. dev.	1.282114
75%	3.28	3.28		
90%	3.28	3.28	Variance	1.643816
95%	3.28	3.28	Skewness	.0504117
99%	3.28	3.28	Kurtosis	1.298925

IL8_LPS12

Percentiles		Smallest		
1%	63.61	63.61		
5%	63.61	499.82		
10%	499.82	924.04	Obs	11
25%	924.04	1012.75	Sum of wgt.	11
50%	7629.26		Mean	6912.731
		Largest	Std. dev.	5878.545
75%	11900.97	11731.13		
90%	13997.44	11900.97	Variance	3.46e+07
95%	14714.64	13997.44	Skewness	.0263907
99%	14714.64	14714.64	Kurtosis	1.302839

IL10_LPS12

Percentiles		Smallest		
1%	7.55	7.55		
5%	7.55	9.54		
10%	9.54	22.12	Obs	11
25%	22.12	46.02	Sum of wgt.	11
50%	114.04		Mean	291.5827

		Largest	Std. dev.	558.8034
75%	217.24	175.11		
90%	481.39	217.24	Variance	312261.2
95%	1924.64	481.39	Skewness	2.559427
99%	1924.64	1924.64	Kurtosis	8.055067

IL6_LPS12

	Percentiles	Smallest		
1%	47.32	47.32		
5%	47.32	122.59		
10%	122.59	200.13	Obs	11
25%	200.13	545.28	Sum of wgt.	11
50%	1629.87		Mean	3471.186
		Largest	Std. dev.	5018.058
75%	2922.31	2548.54		
90%	12965.99	2922.31	Variance	2.52e+07
95%	13825.68	12965.99	Skewness	1.496267
99%	13825.68	13825.68	Kurtosis	3.492574

TNFa_LPS12

	Percentiles	Smallest		
1%	166.09	166.09		
5%	166.09	326.34		
10%	326.34	573.13	Obs	11
25%	573.13	1420.59	Sum of wgt.	11
50%	1843.18		Mean	4266.575
		Largest	Std. dev.	5228.475
75%	4875.88	3804.68		
90%	14304.84	4875.88	Variance	2.73e+07
95%	14467.91	14304.84	Skewness	1.345965
99%	14467.91	14467.91	Kurtosis	3.216509

IFNg_LPS12

	Percentiles	Smallest		
1%	.54	.54		
5%	.54	.9		
10%	.9	1.13	Obs	11
25%	1.13	1.88	Sum of wgt.	11
50%	2.98		Mean	3.074545
		Largest	Std. dev.	2.059939
75%	3.97	3.97		
90%	5.23	3.97	Variance	4.243347
95%	7.29	5.23	Skewness	.6007741
99%	7.29	7.29	Kurtosis	2.570657

IL2_LPS12

	Percentiles	Smallest		
1%	.01	.01		
5%	.01	.29		
10%	.29	.32	Obs	11
25%	.32	.65	Sum of wgt.	11
50%	1.05		Mean	1.747273
		Largest	Std. dev.	1.452825
75%	3.24	3.24		
90%	3.24	3.24	Variance	2.110702
95%	3.24	3.24	Skewness	.0881206
99%	3.24	3.24	Kurtosis	1.123016

IL4_LPS12

	Percentiles	Smallest		
1%	2.6	2.6		
5%	2.6	2.6		
10%	2.6	2.8	Obs	11
25%	2.8	10.41	Sum of wgt.	11

50%	80.11		Mean	237.0482
		Largest	Std. dev.	319.4539
75%	532.57	214.14		
90%	668.21	532.57	Variance	102050.8
95%	913.5	668.21	Skewness	1.134694
99%	913.5	913.5	Kurtosis	2.804257

GMCSF_LPS12

Percentiles		Smallest		
1%	.12	.12		
5%	.12	.95		
10%	.95	1.21	Obs	11
25%	1.21	1.41	Sum of wgt.	11
50%	3		Mean	2.709091
		Largest	Std. dev.	1.9406
75%	3.28	3.28		
90%	4.47	3.28	Variance	3.765929
95%	7.05	4.47	Skewness	.8409581
99%	7.05	7.05	Kurtosis	3.321769

IL8_poly12

Percentiles		Smallest		
1%	14.93	14.93		
5%	14.93	16.27		
10%	16.27	35.87	Obs	11
25%	35.87	38.72	Sum of wgt.	11
50%	105.85		Mean	1261.673
		Largest	Std. dev.	3725.355
75%	264.48	251.02		
90%	397.03	264.48	Variance	1.39e+07
95%	12488	397.03	Skewness	2.840471
99%	12488	12488	Kurtosis	9.081051

IL10_poly12

Percentiles		Smallest		
1%	.72	.72		
5%	.72	2.09		
10%	2.09	2.24	Obs	11
25%	2.24	2.63	Sum of wgt.	11
50%	3.2		Mean	84.75727
		Largest	Std. dev.	268.4333
75%	7.09	5.43		
90%	7.33	7.09	Variance	72056.45
95%	894.09	7.33	Skewness	2.845738
99%	894.09	894.09	Kurtosis	9.098946

IL6_poly12

Percentiles		Smallest		
1%	.84	.84		
5%	.84	.85		
10%	.85	3.23	Obs	11
25%	3.23	5.08	Sum of wgt.	11
50%	10.85		Mean	347.7364
		Largest	Std. dev.	1092.959
75%	38.06	35.45		
90%	57.07	38.06	Variance	1194559
95%	3642.67	57.07	Skewness	2.844592
99%	3642.67	3642.67	Kurtosis	9.095062

TNFa_poly12

Percentiles		Smallest		
1%	11.67	11.67		
5%	11.67	13.01		

10%	13.01	16.31	Obs	11
25%	16.31	17.41	Sum of wgt.	11
50%	19		Mean	557.5482
		Largest	Std. dev.	1760.168
75%	54.37	37.47		
90%	61.04	54.37	Variance	3098190
95%	5864.41	61.04	Skewness	2.845572
99%	5864.41	5864.41	Kurtosis	9.098384

IFNg_poly12

Percentiles	Smallest			
1%	0	0		
5%	0	0		
10%	0	.54	Obs	11
25%	.54	.9	Sum of wgt.	11
50%	1.96		Mean	2.198182
		Largest	Std. dev.	1.782766
75%	3.97	3.97		
90%	4.16	3.97	Variance	3.178256
95%	4.9	4.16	Skewness	.1911472
99%	4.9	4.9	Kurtosis	1.578292

IL2_poly12

Percentiles	Smallest			
1%	.04	.04		
5%	.04	.22		
10%	.22	.63	Obs	11
25%	.63	.71	Sum of wgt.	11
50%	1.06		Mean	1.792727
		Largest	Std. dev.	1.412431
75%	3.24	3.24		
90%	3.24	3.24	Variance	1.994962
95%	3.24	3.24	Skewness	.068363
99%	3.24	3.24	Kurtosis	1.153639

IL4_poly12

Percentiles	Smallest			
1%	.28	.28		
5%	.28	8.86		
10%	8.86	16.85	Obs	11
25%	16.85	38.86	Sum of wgt.	11
50%	140.7		Mean	306.24
		Largest	Std. dev.	374.6636
75%	590.74	363.11		
90%	812.15	590.74	Variance	140372.8
95%	1106.3	812.15	Skewness	1.097306
99%	1106.3	1106.3	Kurtosis	2.867801

GMCSF_poly12

Percentiles	Smallest			
1%	.26	.26		
5%	.26	.32		
10%	.32	.72	Obs	11
25%	.72	1.61	Sum of wgt.	11
50%	2.48		Mean	2.130909
		Largest	Std. dev.	1.23454
75%	3.28	3.28		
90%	3.28	3.28	Variance	1.524089
95%	3.28	3.28	Skewness	-.4836971
99%	3.28	3.28	Kurtosis	1.638686

IL8_Cdiff3

Percentiles	Smallest			
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1%	-18229.25	-18229.25		
5%	-18229.25	-11953.74		
10%	-11953.74	-11140.02	Obs	11
25%	-11140.02	-8455.68	Sum of wgt.	11
50%	-476.49		Mean	-4380.392
		Largest	Std. dev.	6844.383
75%	-10.76	-191.39		
90%	353.4	-10.76	Variance	4.68e+07
95%	2801.31	353.4	Skewness	-.8670369
99%	2801.31	2801.31	Kurtosis	2.355645

IL10_Cdiff3

	Percentiles	Smallest		
1%	-565.33	-565.33		
5%	-565.33	-246.72		
10%	-246.72	-175.87	Obs	11
25%	-175.87	-5.77	Sum of wgt.	11
50%	-3.82		Mean	-90.54909
		Largest	Std. dev.	179.2504
75%	.66	-.46		
90%	1.28	.66	Variance	32130.72
95%	5.55	1.28	Skewness	-1.924592
99%	5.55	5.55	Kurtosis	5.538354

IL6_Cdiff3

	Percentiles	Smallest		
1%	-8525.89	-8525.89		
5%	-8525.89	-7486.42		
10%	-7486.42	-7050.69	Obs	11
25%	-7050.69	-92.54	Sum of wgt.	11
50%	-29.74		Mean	-2107.005
		Largest	Std. dev.	3600.444
75%	.77	-.06		
90%	21.64	.77	Variance	1.30e+07
95%	52.62	21.64	Skewness	-1.050641
99%	52.62	52.62	Kurtosis	2.151095

TNFa_Cdiff3

	Percentiles	Smallest		
1%	-22309.83	-22309.83		
5%	-22309.83	-10574.2		
10%	-10574.2	-3106.27	Obs	11
25%	-3106.27	-199.68	Sum of wgt.	11
50%	-27.03		Mean	-3218.788
		Largest	Std. dev.	7111.801
75%	27.76	3.24		
90%	113.1	27.76	Variance	5.06e+07
95%	705.13	113.1	Skewness	-2.060129
99%	705.13	705.13	Kurtosis	5.879876

IFNg_Cdiff3

	Percentiles	Smallest		
1%	-6.9	-6.9		
5%	-6.9	-3.26		
10%	-3.26	-3.07	Obs	11
25%	-3.07	-2.01	Sum of wgt.	11
50%	-.38		Mean	-1.124545
		Largest	Std. dev.	2.533927
75%	.82	.19		
90%	.98	.82	Variance	6.420787
95%	2.01	.98	Skewness	-1.023742
99%	2.01	2.01	Kurtosis	3.425188

IL2_Cdiff3

Percentiles		Smallest		
1%	-3.19	-3.19		
5%	-3.19	-.61		
10%	-.61	-.2	Obs	11
25%	-.2	-.1	Sum of wgt.	11
50%	0		Mean	-.32
		Largest	Std. dev.	.9864482
75%	0	0		
90%	.22	0	Variance	.97308
95%	.45	.22	Skewness	-2.501544
99%	.45	.45	Kurtosis	7.93879

IL4_Cdiff3

Percentiles		Smallest		
1%	-1039.79	-1039.79		
5%	-1039.79	-133.98		
10%	-133.98	-97.87	Obs	11
25%	-97.87	-36.71	Sum of wgt.	11
50%	6.95		Mean	54.31182
		Largest	Std. dev.	498.9912
75%	196.41	83.29		
90%	640.84	196.41	Variance	248992.2
95%	977.69	640.84	Skewness	-.2778496
99%	977.69	977.69	Kurtosis	4.046353

GMCSF_Cdiff3

Percentiles		Smallest		
1%	-64.86	-64.86		
5%	-64.86	-2.86		
10%	-2.86	-2.49	Obs	11
25%	-2.49	-2.14	Sum of wgt.	11
50%	-.4		Mean	-6.170909
		Largest	Std. dev.	19.54864
75%	.31	0		
90%	1.91	.31	Variance	382.1495
95%	3.22	1.91	Skewness	-2.801291
99%	3.22	3.22	Kurtosis	8.950844

IL8_LPSdiff3

Percentiles		Smallest		
1%	-1811648	-1811648		
5%	-1811648	-11059.51		
10%	-11059.51	-9635.71	Obs	11
25%	-9635.71	-9312.82	Sum of wgt.	11
50%	-1904.49		Mean	-168190.7
		Largest	Std. dev.	545088.5
75%	-847.76	-1013.07		
90%	-564.23	-847.76	Variance	2.97e+11
95%	-161.47	-564.23	Skewness	-2.845755
99%	-161.47	-161.47	Kurtosis	9.099003

IL10_LPSdiff3

Percentiles		Smallest		
1%	-210.71	-210.71		
5%	-210.71	-192.1		
10%	-192.1	-154.9	Obs	11
25%	-154.9	-126.43	Sum of wgt.	11
50%	13.51		Mean	152.1182
		Largest	Std. dev.	524.5334
75%	179.99	84.3		
90%	405.56	179.99	Variance	275135.3
95%	1636.71	405.56	Skewness	2.282796
99%	1636.71	1636.71	Kurtosis	7.133632

IL6_LPSdiff3

Percentiles		Smallest		
1%	-987498.7	-987498.7		
5%	-987498.7	-7933.58		
10%	-7933.58	-7300.13	Obs	11
25%	-7300.13	-208.34	Sum of wgt.	11
50%	-77.92		Mean	-90389.58
		Largest	Std. dev.	297559.6
75%	2311.79	879.25		
90%	2408.65	2311.79	Variance	8.85e+10
95%	2884.92	2408.65	Skewness	-2.845273
99%	2884.92	2884.92	Kurtosis	9.097371

TNFa_LPSdiff3

Percentiles		Smallest		
1%	-11433.56	-11433.56		
5%	-11433.56	-1443.69		
10%	-1443.69	-127.21	Obs	11
25%	-127.21	-20.49	Sum of wgt.	11
50%	1176.64		Mean	825.2318
		Largest	Std. dev.	4903.722
75%	3031.31	2616.1		
90%	5541.29	3031.31	Variance	2.40e+07
95%	8047.83	5541.29	Skewness	-1.207101
99%	8047.83	8047.83	Kurtosis	4.919766

IFNg_LPSdiff3

Percentiles		Smallest		
1%	-3.43	-3.43		
5%	-3.43	-2.84		
10%	-2.84	-2.01	Obs	11
25%	-2.01	-1.34	Sum of wgt.	11
50%	-.99		Mean	-.3990909
		Largest	Std. dev.	2.400194
75%	.66	0		
90%	1.13	.66	Variance	5.760929
95%	5.47	1.13	Skewness	1.207455
99%	5.47	5.47	Kurtosis	4.3784

IL2_LPSdiff3

Percentiles		Smallest		
1%	-.36	-.36		
5%	-.36	-.31		
10%	-.31	-.18	Obs	11
25%	-.18	0	Sum of wgt.	11
50%	0		Mean	-.0263636
		Largest	Std. dev.	.1959221
75%	.07	0		
90%	.18	.07	Variance	.0383855
95%	.31	.18	Skewness	-.2196762
99%	.31	.31	Kurtosis	2.547448

IL4_LPSdiff3

Percentiles		Smallest		
1%	-868.39	-868.39		
5%	-868.39	-118.95		
10%	-118.95	-69.41	Obs	11
25%	-69.41	-62	Sum of wgt.	11
50%	0		Mean	33.35
		Largest	Std. dev.	427.2604
75%	77.51	7.12		
90%	526.8	77.51	Variance	182551.4

95%	881.55	526.8	Skewness	-.0113218
99%	881.55	881.55	Kurtosis	4.08912

GMCSF_LPSdiff3

Percentiles		Smallest		
1%	-4.42	-4.42		
5%	-4.42	-4.13		
10%	-4.13	-3.11	Obs	11
25%	-3.11	-1.53	Sum of wgt.	11
50%	0		Mean	-.6527273
		Largest	Std. dev.	2.445727
75%	.84	.4		
90%	2.33	.84	Variance	5.981582
95%	3.04	2.33	Skewness	-.2085089
99%	3.04	3.04	Kurtosis	2.017825

IL8_polydiff3

Percentiles		Smallest		
1%	-19197.09	-19197.09		
5%	-19197.09	-13913.04		
10%	-13913.04	-11327.33	Obs	11
25%	-11327.33	-9082.51	Sum of wgt.	11
50%	-845.95		Mean	-4075.822
		Largest	Std. dev.	8665.732
75%	-2.25	-199.62		
90%	96.44	-2.25	Variance	7.51e+07
95%	12401.02	96.44	Skewness	-.0245431
99%	12401.02	12401.02	Kurtosis	2.728351

IL10_polydiff3

Percentiles		Smallest		
1%	-583.49	-583.49		
5%	-583.49	-268.71		
10%	-268.71	-193.56	Obs	11
25%	-193.56	-6.12	Sum of wgt.	11
50%	-3.63		Mean	-15.18182
		Largest	Std. dev.	352.232
75%	0	-.44		
90%	4.31	0	Variance	124067.4
95%	890.5	4.31	Skewness	1.28974
99%	890.5	890.5	Kurtosis	5.590372

IL6_polydiff3

Percentiles		Smallest		
1%	-12798.77	-12798.77		
5%	-12798.77	-10954.56		
10%	-10954.56	-6874.38	Obs	11
25%	-6874.38	-175.24	Sum of wgt.	11
50%	-39.5		Mean	-2477.593
		Largest	Std. dev.	5261.448
75%	-.21	-.31		
90%	20.8	-.21	Variance	2.77e+07
95%	3639.71	20.8	Skewness	-1.053386
99%	3639.71	3639.71	Kurtosis	2.660449

TNFa_polydiff3

Percentiles		Smallest		
1%	-15967.08	-15967.08		
5%	-15967.08	-11429.4		
10%	-11429.4	-2426.17	Obs	11
25%	-2426.17	-265.37	Sum of wgt.	11
50%	-26.48		Mean	-2213.64
		Largest	Std. dev.	6098.094

75%	.56	-1.84		
90%	32.97	.56	Variance	3.72e+07
95%	5849.77	32.97	Skewness	-1.28995
99%	5849.77	5849.77	Kurtosis	3.768475

IFNg_polydiff3

Percentiles		Smallest		
1%	-6.42	-6.42		
5%	-6.42	-6.04		
10%	-6.04	-3.07	Obs	11
25%	-3.07	-2.26	Sum of wgt.	11
50%	-1.21		Mean	-1.395455
		Largest	Std. dev.	2.96043
75%	.19	0		
90%	1.42	.19	Variance	8.764147
95%	3.39	1.42	Skewness	-.3680514
99%	3.39	3.39	Kurtosis	2.452187

IL2_polydiff3

Percentiles		Smallest		
1%	-3.2	-3.2		
5%	-3.2	-.51		
10%	-.51	-.09	Obs	11
25%	-.09	0	Sum of wgt.	11
50%	0		Mean	-.3245455
		Largest	Std. dev.	.968012
75%	.04	0		
90%	.07	.04	Variance	.9370473
95%	.12	.07	Skewness	-2.705615
99%	.12	.12	Kurtosis	8.581993

IL4_polydiff3

Percentiles		Smallest		
1%	-930.05	-930.05		
5%	-930.05	-137.55		
10%	-137.55	-116.64	Obs	11
25%	-116.64	-6.4	Sum of wgt.	11
50%	0		Mean	79.36909
		Largest	Std. dev.	495.0631
75%	284.16	85.61		
90%	589.36	284.16	Variance	245087.4
95%	1089.45	589.36	Skewness	.1068495
99%	1089.45	1089.45	Kurtosis	3.941606

GMCSF_polydiff3

Percentiles		Smallest		
1%	-95.59	-95.59		
5%	-95.59	-2.96		
10%	-2.96	-2.56	Obs	11
25%	-2.56	-1.56	Sum of wgt.	11
50%	-.1		Mean	-9.188182
		Largest	Std. dev.	28.69694
75%	0	0		
90%	.82	0	Variance	823.5144
95%	2.38	.82	Skewness	-2.831254
99%	2.38	2.38	Kurtosis	9.050225

IL8_Cdiff4

Percentiles		Smallest		
1%	-16366.57	-16366.57		
5%	-16366.57	-6950.35		
10%	-6950.35	-3792.97	Obs	11
25%	-3792.97	-1955.03	Sum of wgt.	11

50%	-460.03		Mean	-2633.474
75%	-249.93	Largest	Std. dev.	5179.032
90%	-66.84	-254.33	Variance	2.68e+07
95%	2815.93	-249.93	Skewness	-1.843678
99%	2815.93	-66.84	Kurtosis	5.650953
		2815.93		

IL10_Cdiff4

	Percentiles	Smallest		
1%	-483.32	-483.32		
5%	-483.32	-4.76		
10%	-4.76	-.57	Obs	11
25%	-.57	-.16	Sum of wgt.	11
50%	1.57		Mean	-42.59455
75%	3.35	Largest	Std. dev.	146.1998
90%	4.07	1.78	Variance	21374.39
95%	6.46	3.35	Skewness	-2.844075
99%	6.46	4.07	Kurtosis	9.093323
		6.46		

IL6_Cdiff4

	Percentiles	Smallest		
1%	-2316.75	-2316.75		
5%	-2316.75	-51.91		
10%	-51.91	-15.65	Obs	11
25%	-15.65	-11.57	Sum of wgt.	11
50%	4.51		Mean	-202.1873
75%	32.14	Largest	Std. dev.	701.9846
90%	51.82	19.78	Variance	492782.3
95%	53.92	32.14	Skewness	-2.83622
99%	53.92	51.82	Kurtosis	9.06676
		53.92		

TNFa_Cdiff4

	Percentiles	Smallest		
1%	-4180.08	-4180.08		
5%	-4180.08	-226.05		
10%	-226.05	-8.69	Obs	11
25%	-8.69	3.05	Sum of wgt.	11
50%	7.44		Mean	-317.4755
75%	34.32	Largest	Std. dev.	1301.998
90%	122.59	17.45	Variance	1695200
95%	720.92	34.32	Skewness	-2.669427
99%	720.92	122.59	Kurtosis	8.569685
		720.92		

IFNg_Cdiff4

	Percentiles	Smallest		
1%	-3.07	-3.07		
5%	-3.07	-3.07		
10%	-3.07	-2.46	Obs	11
25%	-2.46	-2.01	Sum of wgt.	11
50%	-1.62		Mean	-1.281818
75%	0	Largest	Std. dev.	1.384982
90%	.19	0	Variance	1.918176
95%	.98	.19	Skewness	.2130656
99%	.98	.98	Kurtosis	1.762902

IL2_Cdiff4

	Percentiles	Smallest		
1%	-3.16	-3.16		
5%	-3.16	-.25		
10%	-.25	-.24	Obs	11

25%	-.24	-.21	Sum of wgt.	11
50%	-.16		Mean	-.3836364
		Largest	Std. dev.	.9267823
75%	0	0		
90%	0	0	Variance	.8589255
95%	0	0	Skewness	-2.779558
99%	0	0	Kurtosis	8.875451

IL4_Cdiff4

	Percentiles	Smallest		
1%	-376.21	-376.21		
5%	-376.21	3.63		
10%	3.63	6.95	Obs	11
25%	6.95	17.25	Sum of wgt.	11
50%	120.06		Mean	234.7818
		Largest	Std. dev.	392.9161
75%	640.84	226.48		
90%	724.34	640.84	Variance	154383.1
95%	989.16	724.34	Skewness	.5969423
99%	989.16	989.16	Kurtosis	2.568018

GMCSF_Cdiff4

	Percentiles	Smallest		
1%	-2.14	-2.14		
5%	-2.14	-1.32		
10%	-1.32	-.91	Obs	11
25%	-.91	-.6	Sum of wgt.	11
50%	0		Mean	-.0363636
		Largest	Std. dev.	1.306264
75%	.72	0		
90%	1.02	.72	Variance	1.706325
95%	2.83	1.02	Skewness	.6066175
99%	2.83	2.83	Kurtosis	3.477987

IL8_LPSdiff4

	Percentiles	Smallest		
1%	-12562.39	-12562.39		
5%	-12562.39	-12099.35		
10%	-12099.35	-11285.16	Obs	11
25%	-11285.16	-7664.44	Sum of wgt.	11
50%	-3754.33		Mean	-3121.909
		Largest	Std. dev.	7669.376
75%	3197.28	-283.82		
90%	5290.23	3197.28	Variance	5.88e+07
95%	11388.85	5290.23	Skewness	.4004328
99%	11388.85	11388.85	Kurtosis	2.235463

IL10_LPSdiff4

	Percentiles	Smallest		
1%	-967.49	-967.49		
5%	-967.49	-881.18		
10%	-881.18	-750.66	Obs	11
25%	-750.66	-328.07	Sum of wgt.	11
50%	-144.19		Mean	-96.23818
		Largest	Std. dev.	780.1298
75%	131.07	6.42		
90%	173.2	131.07	Variance	608602.5
95%	1922.07	173.2	Skewness	1.505556
99%	1922.07	1922.07	Kurtosis	5.269682

IL6_LPSdiff4

	Percentiles	Smallest		
1%	-6216.3	-6216.3		

5%	-6216.3	-5171.5		
10%	-5171.5	-3359.72	Obs	11
25%	-3359.72	-220	Sum of wgt.	11
50%	78		Mean	1351.655
		Largest	Std. dev.	6432.057
75%	2344.67	778.58		
90%	12965.37	2344.67	Variance	4.14e+07
95%	13522.37	12965.37	Skewness	1.002789
99%	13522.37	13522.37	Kurtosis	2.939125

TNFa_LPSdiff4

	Percentiles	Smallest		
1%	-53873.78	-53873.78		
5%	-53873.78	-1348.6		
10%	-1348.6	-334	Obs	11
25%	-334	146.89	Sum of wgt.	11
50%	1292.47		Mean	-1547.138
		Largest	Std. dev.	18209.41
75%	3518.91	3079.12		
90%	14254.35	3518.91	Variance	3.32e+08
95%	14443.21	14254.35	Skewness	-2.344059
99%	14443.21	14443.21	Kurtosis	7.629752

IFNg_LPSdiff4

	Percentiles	Smallest		
1%	-3.43	-3.43		
5%	-3.43	-3.07		
10%	-3.07	-2.84	Obs	11
25%	-2.84	-2.09	Sum of wgt.	11
50%	-.99		Mean	-.5654545
		Largest	Std. dev.	2.915762
75%	0	0		
90%	1.26	0	Variance	8.501667
95%	6.95	1.26	Skewness	1.580252
99%	6.95	6.95	Kurtosis	5.090535

IL2_LPSdiff4

	Percentiles	Smallest		
1%	-2.92	-2.92		
5%	-2.92	-.6		
10%	-.6	-.59	Obs	11
25%	-.59	-.51	Sum of wgt.	11
50%	0		Mean	-.2209091
		Largest	Std. dev.	1.24234
75%	0	0		
90%	.19	0	Variance	1.543409
95%	2.49	.19	Skewness	.0122262
99%	2.49	2.49	Kurtosis	4.948856

IL4_LPSdiff4

	Percentiles	Smallest		
1%	-416.8	-416.8		
5%	-416.8	-28.94		
10%	-28.94	-10.17	Obs	11
25%	-10.17	-2.32	Sum of wgt.	11
50%	75.19		Mean	184.2782
		Largest	Std. dev.	375.7858
75%	528.3	205.75		
90%	666.13	528.3	Variance	141215
95%	911.9	666.13	Skewness	.5717985
99%	911.9	911.9	Kurtosis	2.673638

GMCSF_LPSdiff4

	Percentiles	Smallest		
1%	-11.56	-11.56		
5%	-11.56	-6.93		
10%	-6.93	-1.63	Obs	11
25%	-1.63	-1.22	Sum of wgt.	11
50%	-.28		Mean	-.8690909
		Largest	Std. dev.	4.782182
75%	2.3	1.91		
90%	2.33	2.3	Variance	22.86927
95%	6.04	2.33	Skewness	-.9861458
99%	6.04	6.04	Kurtosis	3.566646

IL8_polydiff4

	Percentiles	Smallest		
1%	-19228.86	-19228.86		
5%	-19228.86	-18380.49		
10%	-18380.49	-15157.17	Obs	11
25%	-15157.17	-8597.47	Sum of wgt.	11
50%	-1870.81		Mean	-5365.229
		Largest	Std. dev.	9436.518
75%	-340.75	-370.91		
90%	-326.87	-340.75	Variance	8.90e+07
95%	12412.62	-326.87	Skewness	.0344778
99%	12412.62	12412.62	Kurtosis	2.458339

IL10_polydiff4

	Percentiles	Smallest		
1%	-770.4	-770.4		
5%	-770.4	-770.26		
10%	-770.26	-663.73	Obs	11
25%	-663.73	-7.1	Sum of wgt.	11
50%	1.5		Mean	-118.83
		Largest	Std. dev.	476.2666
75%	3.5	2.23		
90%	3.97	3.5	Variance	226829.9
95%	892.29	3.97	Skewness	.3212199
99%	892.29	892.29	Kurtosis	3.1965

IL6_polydiff4

	Percentiles	Smallest		
1%	-9666.46	-9666.46		
5%	-9666.46	-4365.6		
10%	-4365.6	-761.55	Obs	11
25%	-761.55	-79.59	Sum of wgt.	11
50%	-1.41		Mean	-1014.596
		Largest	Std. dev.	3391.49
75%	18.41	15.39		
90%	53.84	18.41	Variance	1.15e+07
95%	3640.94	53.84	Skewness	-1.551383
99%	3640.94	3640.94	Kurtosis	5.160362

TNFa_polydiff4

	Percentiles	Smallest		
1%	-10058.43	-10058.43		
5%	-10058.43	-1870.63		
10%	-1870.63	-700.41	Obs	11
25%	-700.41	-269.45	Sum of wgt.	11
50%	6.41		Mean	-629.9591
		Largest	Std. dev.	3677.318
75%	43.94	14.8		
90%	51.62	43.94	Variance	1.35e+07
95%	5861.09	51.62	Skewness	-1.191417
99%	5861.09	5861.09	Kurtosis	5.823685

IFNg_polydiff4

Percentiles		Smallest		
1%	-3.43	-3.43		
5%	-3.43	-3.07		
10%	-3.07	-2.15	Obs	11
25%	-2.15	-2.01	Sum of wgt.	11
50%	-1.96		Mean	-.9181818
		Largest	Std. dev.	1.964346
75%	.93	.19		
90%	2.01	.93	Variance	3.858656
95%	2.15	2.01	Skewness	.4186315
99%	2.15	2.15	Kurtosis	1.794382

IL2_polydiff4

Percentiles		Smallest		
1%	-3.02	-3.02		
5%	-3.02	-.69		
10%	-.69	-.63	Obs	11
25%	-.63	-.53	Sum of wgt.	11
50%	-.39		Mean	-.2690909
		Largest	Std. dev.	1.318897
75%	0	0		
90%	0	0	Variance	1.739489
95%	2.75	0	Skewness	.303192
99%	2.75	2.75	Kurtosis	5.104936

IL4_polydiff4

Percentiles		Smallest		
1%	-475.22	-475.22		
5%	-475.22	-8.44		
10%	-8.44	0	Obs	11
25%	0	10.29	Sum of wgt.	11
50%	94.12		Mean	241.0327
		Largest	Std. dev.	439.7492
75%	586.47	265.66		
90%	812.07	586.47	Variance	193379.3
95%	1106.3	812.07	Skewness	.5648614
99%	1106.3	1106.3	Kurtosis	2.810999

GMCSF_polydiff4

Percentiles		Smallest		
1%	-53.95	-53.95		
5%	-53.95	-15.88		
10%	-15.88	-3.48	Obs	11
25%	-3.48	-3.02	Sum of wgt.	11
50%	-1.02		Mean	-6.635455
		Largest	Std. dev.	16.50677
75%	1.31	0		
90%	2.78	1.31	Variance	272.4733
95%	2.83	2.78	Skewness	-2.416304
99%	2.83	2.83	Kurtosis	7.473751

```

24 .
    end of do-file

25 . do "/var/folders/31/x9ydyjz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

26 . *Now look at differences between HEU and HUU
27 . tab2 Sex MHIV, chi2

-> tabulation of Sex by MHIV

```

Sex	M HIV		
	0	1	Total

Female	6	5	11
Male	4	6	10
Total	10	11	21

Pearson $\chi^2(1) = 0.4443$ Pr = 0.505

28 . kwallis GestAge, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	102.00
1	11	108.00

$\chi^2(1) = 0.325$

Prob = 0.5688

$\chi^2(1)$ with ties = 0.360

Prob = 0.5483

29 . kwallis Age, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	67.00
1	11	164.00

$\chi^2(1) = 9.169$

Prob = 0.0025

$\chi^2(1)$ with ties = 9.169

Prob = 0.0025

30 . kwallis MWeight, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	89.50
1	10	100.50

$\chi^2(1) = 0.002$

Prob = 0.9674

$\chi^2(1)$ with ties = 0.002

Prob = 0.9674

31 . kwallis MMUAC, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	100.00
1	11	131.00

$\chi^2(1) = 0.496$

Prob = 0.4813

```
chi2(1) with ties = 0.500
Prob = 0.4796
```

```
32 . kwallis BMI, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	71.00
1	9	82.00

```
chi2(1) = 0.009
Prob = 0.9233
```

```
chi2(1) with ties = 0.009
Prob = 0.9233
```

```
33 . kwallis Weight_0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	125.50
1	11	105.50

```
chi2(1) = 1.191
Prob = 0.2751
```

```
chi2(1) with ties = 1.192
Prob = 0.2749
```

```
34 . kwallis Length_0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	65.50
1	9	87.50

```
chi2(1) = 0.391
Prob = 0.5317
```

```
chi2(1) with ties = 0.399
Prob = 0.5276
```

```
35 . kwallis HC_0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	7	75.00
1	11	96.00

```
chi2(1) = 0.593
Prob = 0.4414
```

```
chi2(1) with ties = 0.625
Prob = 0.4292
```

```
36 . kwallis W4L_0, by(MHIV)
```


Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	85.00
1	9	68.00

chi2(1) = 1.565
Prob = 0.2110

chi2(1) with ties = 1.565
Prob = 0.2110

37 . kwallis Weight_10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	95.00
1	10	95.00

chi2(1) = 0.167
Prob = 0.6831

chi2(1) with ties = 0.167
Prob = 0.6831

38 . kwallis Length_10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	72.00
1	10	118.00

chi2(1) = 2.160
Prob = 0.1416

chi2(1) with ties = 2.168
Prob = 0.1409

39 . kwallis HC_10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	80.00
1	9	91.00

chi2(1) = 0.236
Prob = 0.6272

chi2(1) with ties = 0.241
Prob = 0.6232

40 . kwallis MUAC_10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum

0	8	65.50
1	8	70.50

chi2(1) = **0.069**
Prob = **0.7929**

chi2(1) with ties = **0.070**
Prob = **0.7918**

41 . kwallis W4L_10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	100.00
1	10	90.00

chi2(1) = **0.667**
Prob = **0.4142**

chi2(1) with ties = **0.667**
Prob = **0.4142**

42 . kwallis W4A_10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	95.00
1	10	95.00

chi2(1) = **0.167**
Prob = **0.6831**

chi2(1) with ties = **0.167**
Prob = **0.6831**

43 . kwallis Weight_diif0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	92.00
1	10	98.00

chi2(1) = **0.027**
Prob = **0.8703**

chi2(1) with ties = **0.027**
Prob = **0.8703**

44 . kwallis Length_diff0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	7	58.00
1	8	62.00

chi2(1) = **0.054**

Prob = **0.8170**

chi2(1) with ties = **0.054**
 Prob = **0.8166**

45 . kwallis HC_diff0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	5	29.50
1	9	75.50

chi2(1) = **1.138**
 Prob = **0.2861**

chi2(1) with ties = **1.148**
 Prob = **0.2840**

46 . kwallis Weight_6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	118.50
1	11	112.50

chi2(1) = **0.358**
 Prob = **0.5495**

chi2(1) with ties = **0.358**
 Prob = **0.5493**

47 . kwallis Length_6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	116.00
1	11	115.00

chi2(1) = **0.179**
 Prob = **0.6727**

chi2(1) with ties = **0.179**
 Prob = **0.6725**

48 . kwallis HC_6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	118.50
1	11	112.50

chi2(1) = **0.358**
 Prob = **0.5495**

chi2(1) with ties = **0.359**
 Prob = **0.5491**

```
49 . kwallis MUAC_6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	127.50
1	11	103.50

```
chi2(1) = 1.519
Prob = 0.2178
```

```
chi2(1) with ties = 1.534
Prob = 0.2156
```

```
50 . kwallis W4L_6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	113.00
1	11	118.00

```
chi2(1) = 0.045
Prob = 0.8327
```

```
chi2(1) with ties = 0.045
Prob = 0.8327
```

```
51 . kwallis W4A_6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	118.50
1	11	112.50

```
chi2(1) = 0.358
Prob = 0.5495
```

```
chi2(1) with ties = 0.358
Prob = 0.5493
```

```
52 . kwallis Weight_diif1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	99.00
1	10	91.00

```
chi2(1) = 0.540
Prob = 0.4624
```

```
chi2(1) with ties = 0.540
Prob = 0.4624
```

```
53 . kwallis Length_diff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

MHIV	Obs	Rank sum
0	9	114.50
1	10	75.50

chi2(1) = 4.002
Prob = 0.0455

chi2(1) with ties = 4.016
Prob = 0.0451

54 . kwallis HC_diff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	108.00
1	9	63.00

chi2(1) = 3.947
Prob = 0.0469

chi2(1) with ties = 3.956
Prob = 0.0467

55 . kwallis MUAC_diff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	80.00
1	8	56.00

chi2(1) = 1.588
Prob = 0.2076

chi2(1) with ties = 1.602
Prob = 0.2056

56 . kwallis Weight_12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	143.50
1	11	87.50

chi2(1) = 5.565
Prob = 0.0183

chi2(1) with ties = 5.568
Prob = 0.0183

57 . kwallis Length_12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	118.00
1	11	113.00

```
chi2(1) = 0.317
Prob = 0.5732
```

```
chi2(1) with ties = 0.318
Prob = 0.5728
```

```
58 . kwallis HC_12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	120.50
1	11	110.50

```
chi2(1) = 0.547
Prob = 0.4597
```

```
chi2(1) with ties = 0.550
Prob = 0.4584
```

```
59 . kwallis MUAC_12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	137.00
1	11	94.00

```
chi2(1) = 3.615
Prob = 0.0573
```

```
chi2(1) with ties = 3.634
Prob = 0.0566
```

```
60 . kwallis W4L_12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	140.00
1	11	91.00

```
chi2(1) = 4.463
Prob = 0.0346
```

```
chi2(1) with ties = 4.463
Prob = 0.0346
```

```
61 . kwallis W4A_12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	143.50
1	11	87.50

```
chi2(1) = 5.565
Prob = 0.0183
```

```
chi2(1) with ties = 5.568
```

Prob = **0.0183**

62 . kwallis Weight_diif2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	145.00
1	11	86.00

chi2(1) = **6.074**
Prob = **0.0137**

chi2(1) with ties = **6.074**
Prob = **0.0137**

63 . kwallis Length_diff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	103.00
1	11	128.00

chi2(1) = **0.243**
Prob = **0.6221**

chi2(1) with ties = **0.243**
Prob = **0.6221**

64 . kwallis HC_diff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	119.00
1	11	112.00

chi2(1) = **0.402**
Prob = **0.5262**

chi2(1) with ties = **0.403**
Prob = **0.5254**

65 . kwallis MUAC_diff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	128.00
1	11	103.00

chi2(1) = **1.607**
Prob = **0.2050**

chi2(1) with ties = **1.608**
Prob = **0.2048**

66 . kwallis Weight_diif3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	108.00
1	10	82.00

```
chi2(1) = 2.160
Prob = 0.1416
```

```
chi2(1) with ties = 2.160
Prob = 0.1416
```

```
67 . kwallis Length_diff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	103.00
1	10	87.00

```
chi2(1) = 1.127
Prob = 0.2885
```

```
chi2(1) with ties = 1.128
Prob = 0.2883
```

```
68 . kwallis HC_diff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	101.00
1	10	89.00

```
chi2(1) = 0.807
Prob = 0.3691
```

```
chi2(1) with ties = 0.815
Prob = 0.3668
```

```
69 . kwallis MUAC_diff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	79.50
1	8	56.50

```
chi2(1) = 1.459
Prob = 0.2271
```

```
chi2(1) with ties = 1.463
Prob = 0.2265
```

```
70 .
end of do-file
```

```
71 . do "/var/folders/3l/x9ydyjz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
72 . kwallis W4L_Z0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	6	61.00
1	9	59.00

```
chi2(1) = 2.347
Prob = 0.1255
```

```
chi2(1) with ties = 2.347
Prob = 0.1255
```

```
73 . kwallis W4L_Z0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	6	61.00
1	9	59.00

```
chi2(1) = 2.347
Prob = 0.1255
```

```
chi2(1) with ties = 2.347
Prob = 0.1255
```

```
74 . kwallis HC_Z0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	6	61.00
1	11	92.00

```
chi2(1) = 0.495
Prob = 0.4817
```

```
chi2(1) with ties = 0.503
Prob = 0.4782
```

```
75 . kwallis MUAC_Z10, by(MHIV)
```

no observations

r(2000);

end of do-file

r(2000);

```
76 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
77 . kwallis HC_Z10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	76.50
1	9	94.50

```
chi2(1) = 0.632
Prob = 0.4268
```

```
chi2(1) with ties = 0.636
```

Prob = **0.4251**

78 . kwallis W4L_Z10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	116.50
1	10	73.50

chi2(1) = **4.682**
Prob = **0.0305**

chi2(1) with ties = **4.690**
Prob = **0.0303**

79 . kwallis W4L_Z10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	116.50
1	10	73.50

chi2(1) = **4.682**
Prob = **0.0305**

chi2(1) with ties = **4.690**
Prob = **0.0303**

80 .
end of do-file

81 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

82 . kwallis HC_Z6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	123.50
1	11	107.50

chi2(1) = **0.904**
Prob = **0.3418**

chi2(1) with ties = **0.904**
Prob = **0.3416**

83 . kwallis W4L_Z6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	105.50
1	11	125.50

chi2(1) = **0.100**
Prob = **0.7513**

chi2(1) with ties = **0.100**

Prob = **0.7513**

84 . kwallis W4L_Z6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	105.50
1	11	125.50

chi2(1) = **0.100**
Prob = **0.7513**

chi2(1) with ties = **0.100**
Prob = **0.7513**

85 . kwallis MUAC_Z6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	127.00
1	11	104.00

chi2(1) = **1.433**
Prob = **0.2313**

chi2(1) with ties = **1.440**
Prob = **0.2302**

86 .
end of do-file

87 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

88 . kwallis HC_Z12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	124.50
1	11	106.50

chi2(1) = **1.043**
Prob = **0.3072**

chi2(1) with ties = **1.044**
Prob = **0.3069**

89 . kwallis W4L_Z12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	144.00
1	11	87.00

chi2(1) = **5.732**
Prob = **0.0167**

chi2(1) with ties = **5.732**

Prob = **0.0167**

90 . kwallis W4L_z12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	144.00
1	11	87.00

chi2(1) = **5.732**
Prob = **0.0167**

chi2(1) with ties = **5.732**
Prob = **0.0167**

91 . kwallis MUAC_z12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	139.00
1	11	92.00

chi2(1) = **4.170**
Prob = **0.0411**

chi2(1) with ties = **4.176**
Prob = **0.0410**

92 . kwallis Weight_diif1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	99.00
1	10	91.00

chi2(1) = **0.540**
Prob = **0.4624**

chi2(1) with ties = **0.540**
Prob = **0.4624**

93 . kwallis Length_diff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	114.50
1	10	75.50

chi2(1) = **4.002**
Prob = **0.0455**

chi2(1) with ties = **4.016**
Prob = **0.0451**

94 . kwallis HC_diff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	108.00
1	9	63.00

chi2(1) = 3.947
Prob = 0.0469

chi2(1) with ties = 3.956
Prob = 0.0467

95 . kwallis MUAC_diff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	80.00
1	8	56.00

chi2(1) = 1.588
Prob = 0.2076

chi2(1) with ties = 1.602
Prob = 0.2056

96 . kwallis Weight_diif2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	145.00
1	11	86.00

chi2(1) = 6.074
Prob = 0.0137

chi2(1) with ties = 6.074
Prob = 0.0137

97 . kwallis Length_diff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	103.00
1	11	128.00

chi2(1) = 0.243
Prob = 0.6221

chi2(1) with ties = 0.243
Prob = 0.6221

98 . kwallis HC_diff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	119.00

1	11	112.00
---	----	--------

chi2(1) = **0.402**
 Prob = **0.5262**

chi2(1) with ties = **0.403**
 Prob = **0.5254**

99 . kwallis MUAC_diff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	128.00
1	11	103.00

chi2(1) = **1.607**
 Prob = **0.2050**

chi2(1) with ties = **1.608**
 Prob = **0.2048**

100 . kwallis Weight_diif3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	108.00
1	10	82.00

chi2(1) = **2.160**
 Prob = **0.1416**

chi2(1) with ties = **2.160**
 Prob = **0.1416**

101 . kwallis Length_diff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	103.00
1	10	87.00

chi2(1) = **1.127**
 Prob = **0.2885**

chi2(1) with ties = **1.128**
 Prob = **0.2883**

102 . kwallis HC_diff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	9	101.00
1	10	89.00

chi2(1) = **0.807**
 Prob = **0.3691**

```
chi2(1) with ties = 0.815
Prob = 0.3668
```

```
103 . kwallis MUAC_diff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	79.50
1	8	56.50

```
chi2(1) = 1.459
Prob = 0.2271
```

```
chi2(1) with ties = 1.463
Prob = 0.2265
```

```
104 . kwallis BMI, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	71.00
1	9	82.00

```
chi2(1) = 0.009
Prob = 0.9233
```

```
chi2(1) with ties = 0.009
Prob = 0.9233
```

```
105 .
end of do-file
```

```
106 . do "/var/folders/3l/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
107 . *Create quartiles of all the infant variables
```

```
108 . xtile xWeight_0 = Weight_0, nquantiles(4)
```

```
109 . xtile xLength_0 = Length_0, nquantiles(4)
```

```
110 . xtile xHC_0 = HC_0, nquantiles(4)
```

```
111 . xtile xWeight_10 = Weight_10, nquantiles(4)
```

```
112 . xtile xLength_10 = Length_10, nquantiles(4)
```

```
113 . xtile xHC_10 = HC_10, nquantiles(4)
```

```
114 . xtile xMUAC_10 = MUAC_10, nquantiles(4)
```

```
115 . xtile xWeight_6 = Weight_6, nquantiles(4)
```

```
116 . xtile xLength_6 = Length_6, nquantiles(4)
```

```
117 . xtile xHC_6 = HC_6, nquantiles(4)
```

```
118 . xtile xMUAC_6 = MUAC_6, nquantiles(4)
```

```
119 . xtile xWeight_12 = Weight_12, nquantiles(4)
```

```
120 . xtile xLength_12 = Length_12, nquantiles(4)
```

```
121 . xtile xHC_12 = HC_12, nquantiles(4)
```

```
122 . xtile xMUAC_12 = MUAC_12, nquantiles(4)
```

```

123 . xtile xWeight_Z10 = Weight_Z10, nquantiles(4)
    Weight_Z10 not found
    r(111);

    end of do-file

    r(111);

124 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

125 . xtile xMUAC_Z10 = MUAC_Z10, nquantiles(4)
    no observations
    r(2000);

    end of do-file

    r(2000);

126 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

127 . xtile xHC_Z6 = HC_Z6, nquantiles(4)

128 . xtile xMUAC_Z6 = MUAC_Z6, nquantiles(4)

129 .
    end of do-file

130 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

131 . xtile xHC_Z12 = HC_Z12, nquantiles(4)

132 . xtile xMUAC_Z12 = MUAC_Z12, nquantiles(4)

133 . xtile xWeight_diif1 = Weight_diif1, nquantiles(4)

134 . xtile xLength_diff1 = Length_diff1, nquantiles(4)

135 . xtile xHC_diff1 = HC_diff1, nquantiles(4)

136 . xtile xMUAC_diff1 = MUAC_diff1, nquantiles(4)

137 . xtile xWeight_diif2 = Weight_diif2, nquantiles(4)

138 . xtile xLength_diff2 = Length_diff2, nquantiles(4)

139 . xtile xHC_diff2 = HC_diff2, nquantiles(4)

140 . xtile xMUAC_diff2 = MUAC_diff2, nquantiles(4)

141 . xtile xWeight_diif3 = Weight_diif3, nquantiles(4)

142 . xtile xLength_diff3 = Length_diff3, nquantiles(4)

143 . xtile xHC_diff3 = HC_diff3, nquantiles(4)

144 . xtile xMUAC_diff3 = MUAC_diff3, nquantiles(4)

145 . xtile xW4L_0 = W4L_0, nquantiles(4)

146 . xtile xW4L_10 = W4L_10, nquantiles(4)

147 . xtile xW4L_6 = W4L_6, nquantiles(4)

148 . xtile xW4L_12 = W4L_12, nquantiles(4)

149 . xtile xW4A_10 = W4A_10, nquantiles(4)

150 . xtile xW4A_6 = W4A_6, nquantiles(4)

151 . xtile xW4A_12 = W4A_12, nquantiles(4)

152 . xtile xBMI = BMI, nquantiles(4)

```



```

153 .
    end of do-file

154 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

155 . *Test for difference between HEU and HUU
156 . tab2 MHIV xWeight_10, exact

```

-> tabulation of MHIV by xWeight_10

Enumerating sample-space combinations:

```

stage 4: enumerations = 1
stage 3: enumerations = 3
stage 2: enumerations = 4
stage 1: enumerations = 0

```

M HIV	4 quantiles of Weight_10				Total
	1	2	3	4	
0	1	3	3	2	9
1	4	2	2	2	10
Total	5	5	5	4	19

Fisher's exact = **0.632**

```

157 . tab2 MHIV xLength_10, exact

```

-> tabulation of MHIV by xLength_10

Enumerating sample-space combinations:

```

stage 4: enumerations = 1
stage 3: enumerations = 3
stage 2: enumerations = 5
stage 1: enumerations = 0

```

M HIV	4 quantiles of Length_10				Total
	1	2	3	4	
0	4	2	2	1	9
1	1	3	3	3	10
Total	5	5	5	4	19

Fisher's exact = **0.535**

```

158 . tab2 MHIV xHC_10, exact

```

-> tabulation of MHIV by xHC_10

Enumerating sample-space combinations:

```

stage 4: enumerations = 1
stage 3: enumerations = 1
stage 2: enumerations = 3
stage 1: enumerations = 0

```

M HIV	4 quantiles of HC_10				Total
	1	2	3	4	
0	3	1	4	1	9
1	5	0	1	3	9
Total	8	1	5	4	18

Fisher's exact = **0.263**

```

159 . tab2 MHIV xMUAC_10, exact

```

-> tabulation of MHIV by xMUAC_10

Enumerating sample-space combinations:

```

stage 4: enumerations = 1

```

```
stage 3: enumerations = 0
stage 2: enumerations = 0
stage 1: enumerations = 0
```

M HIV	4 quantiles of MUAC_10				Total
	1	2	3	4	
0	3	1	3	1	8
1	3	1	2	2	8
Total	6	2	5	3	16

Fisher's exact = 1.000

```
160 .
    end of do-file

161 . do "/var/folders/31/x9ydz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

162 . tab2 MHIV xWeight_6, exact
```

-> tabulation of MHIV by xWeight_6

Enumerating sample-space combinations:

```
stage 4: enumerations = 1
stage 3: enumerations = 2
stage 2: enumerations = 1
stage 1: enumerations = 0
```

M HIV	4 quantiles of Weight_6				Total
	1	2	3	4	
0	2	3	3	2	10
1	4	2	2	3	11
Total	6	5	5	5	21

Fisher's exact = 0.830

```
163 . tab2 MHIV xLength_6, exact
```

-> tabulation of MHIV by xLength_6

Enumerating sample-space combinations:

```
stage 4: enumerations = 1
stage 3: enumerations = 6
stage 2: enumerations = 12
stage 1: enumerations = 0
```

M HIV	4 quantiles of Length_6				Total
	1	2	3	4	
0	1	5	2	2	10
1	5	0	3	3	11
Total	6	5	5	5	21

Fisher's exact = 0.051

```
164 . tab2 MHIV xHC_6, exact
```

-> tabulation of MHIV by xHC_6

Enumerating sample-space combinations:

```
stage 4: enumerations = 1
stage 3: enumerations = 2
stage 2: enumerations = 1
stage 1: enumerations = 0
```

M HIV	4 quantiles of HC_6				Total
	1	2	3	4	
0	2	3	2	3	10

1	4	2	3	2	11
Total	6	5	5	5	21

Fisher's exact = 0.830

165 . tab2 MHIV xMUAC_6, exact

-> tabulation of MHIV by xMUAC_6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of MUAC_6				Total
	1	2	3	4	
0	2	2	3	3	10
1	4	3	2	2	11
Total	6	5	5	5	21

Fisher's exact = 0.830

166 . tab2 MHIV xWeight_12, exact

-> tabulation of MHIV by xWeight_12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 4

stage 2: enumerations = 6

stage 1: enumerations = 0

M HIV	4 quantiles of Weight_12				Total
	1	2	3	4	
0	1	2	3	4	10
1	5	3	2	1	11
Total	6	5	5	5	21

Fisher's exact = 0.218

167 . tab2 MHIV xLength_12, exact

-> tabulation of MHIV by xLength_12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 5

stage 1: enumerations = 0

M HIV	4 quantiles of Length_12				Total
	1	2	3	4	
0	2	3	3	2	10
1	5	1	2	3	11
Total	7	4	5	5	21

Fisher's exact = 0.567

168 . tab2 MHIV xHC_12, exact

-> tabulation of MHIV by xHC_12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 5

```
stage 2: enumerations = 12
stage 1: enumerations = 0
```

M HIV	4 quantiles of HC_12				Total
	1	2	3	4	
0	1	5	2	2	10
1	5	1	3	2	11
Total	6	6	5	4	21

```
Fisher's exact = 0.152
```

```
169 . tab2 MHIV xMUAC_12, exact
```

```
-> tabulation of MHIV by xMUAC_12
```

```
Enumerating sample-space combinations:
```

```
stage 4: enumerations = 1
stage 3: enumerations = 3
stage 2: enumerations = 10
stage 1: enumerations = 0
```

M HIV	4 quantiles of MUAC_12				Total
	1	2	3	4	
0	1	2	4	3	10
1	5	3	2	1	11
Total	6	5	6	4	21

```
Fisher's exact = 0.272
```

```
170 .
end of do-file
```

```
171 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
172 . tab2 MHIV xLength_Z10, exact
variable xLength_Z10 not found
r(111);
```

```
end of do-file
```

```
r(111);
```

```
173 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
174 . tab2 MHIV xHC_Z10, exact
variable xHC_Z10 not found
r(111);
```

```
end of do-file
```

```
r(111);
```

```
175 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
176 . xtile xHC_Z10 = HC_Z10, nquantiles(4)
```

```
177 .
end of do-file
```

```
178 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
179 . tab2 MHIV xHC_Z10, exact
```

```
-> tabulation of MHIV by xHC_Z10
```

```
Enumerating sample-space combinations:
```

```
stage 4: enumerations = 1
stage 3: enumerations = 2
stage 2: enumerations = 3
```

```
stage 1: enumerations = 0
```

M HIV	4 quantiles of HC_Z10				Total
	1	2	3	4	
0	3	1	4	1	9
1	2	3	1	3	9
Total	5	4	5	4	18

```
Fisher's exact = 0.288
```

```
180 .
    end of do-file

181 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

182 . tab2 MHIV xHC_Z6, exact
```

```
-> tabulation of MHIV by xHC_Z6
```

```
Enumerating sample-space combinations:
```

```
stage 4: enumerations = 1
stage 3: enumerations = 1
stage 2: enumerations = 2
stage 1: enumerations = 0
```

M HIV	4 quantiles of HC_Z6				Total
	1	2	3	4	
0	3	1	3	3	10
1	4	3	2	2	11
Total	7	4	5	5	21

```
Fisher's exact = 0.821
```

```
183 . tab2 MHIV xMUAC_Z6, exact
```

```
-> tabulation of MHIV by xMUAC_Z6
```

```
Enumerating sample-space combinations:
```

```
stage 4: enumerations = 1
stage 3: enumerations = 2
stage 2: enumerations = 1
stage 1: enumerations = 0
```

M HIV	4 quantiles of MUAC_Z6				Total
	1	2	3	4	
0	2	2	3	3	10
1	4	3	2	2	11
Total	6	5	5	5	21

```
Fisher's exact = 0.830
```

```
184 .
    end of do-file

185 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

186 . tab2 MHIV xHC_Z12, exact
```

```
-> tabulation of MHIV by xHC_Z12
```

```
Enumerating sample-space combinations:
```

```
stage 4: enumerations = 1
stage 3: enumerations = 1
stage 2: enumerations = 2
stage 1: enumerations = 0
```

```
| 4 quantiles of HC_Z12
```

M HIV	1	2	3	4	Total
0	3	1	3	3	10
1	4	3	2	2	11
Total	7	4	5	5	21

Fisher's exact = 0.821

187 . tab2 MHIV xMUAC_Z12, exact

-> tabulation of MHIV by xMUAC_Z12

Enumerating sample-space combinations:

stage 4: enumerations = 1
stage 3: enumerations = 3
stage 2: enumerations = 10
stage 1: enumerations = 0

M HIV	4 quantiles of MUAC_Z12				Total
	1	2	3	4	
0	1	2	4	3	10
1	5	3	2	1	11
Total	6	5	6	4	21

Fisher's exact = 0.272

188 . tab2 MHIV xWeight_diff1, exact

-> tabulation of MHIV by xWeight_diff1

Enumerating sample-space combinations:

stage 4: enumerations = 1
stage 3: enumerations = 5
stage 2: enumerations = 15
stage 1: enumerations = 0

M HIV	4 quantiles of Weight_diff1				Total
	1	2	3	4	
0	3	0	4	2	9
1	2	5	1	2	10
Total	5	5	5	4	19

Fisher's exact = 0.089

189 . tab2 MHIV xLength_diff1, exact

-> tabulation of MHIV by xLength_diff1

Enumerating sample-space combinations:

stage 4: enumerations = 1
stage 3: enumerations = 5
stage 2: enumerations = 14
stage 1: enumerations = 0

M HIV	4 quantiles of Length_diff1				Total
	1	2	3	4	
0	1	3	1	4	9
1	4	2	4	0	10
Total	5	5	5	4	19

Fisher's exact = 0.069

190 . tab2 MHIV xHC_diff1, exact

-> tabulation of MHIV by xHC_diff1

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 5

stage 1: enumerations = 0

M HIV	4 quantiles of HC_diff1				Total
	1	2	3	4	
0	1	2	3	3	9
1	5	1	2	1	9
Total	6	3	5	4	18

Fisher's exact = 0.282

191 . tab2 MHIV xMUAC_diff1, exact

-> tabulation of MHIV by xMUAC_diff1

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of MUAC_diff1				Total
	1	2	3	4	
0	1	3	3	1	8
1	4	1	2	1	8
Total	5	4	5	2	16

Fisher's exact = 0.596

192 . tab2 MHIV xWeight_diff2, exact

-> tabulation of MHIV by xWeight_diff2

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 6

stage 2: enumerations = 12

stage 1: enumerations = 0

M HIV	4 quantiles of Weight_diff2				Total
	1	2	3	4	
0	1	2	2	5	10
1	5	3	3	0	11
Total	6	5	5	5	21

Fisher's exact = 0.051

193 . tab2 MHIV xLength_diff2, exact

-> tabulation of MHIV by xLength_diff2

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of Length_diff2				Total
	1	2	3	4	
0	4	2	1	3	10
1	2	3	4	2	11
Total	6	5	5	5	21

Fisher's exact = 0.575

194 . tab2 MHIV xHC_diff2, exact

-> tabulation of MHIV by xHC_diff2

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

M HIV	4 quantiles of HC_diff2				Total
	1	2	3	4	
0	3	1	3	3	10
1	4	3	2	2	11
Total	7	4	5	5	21

Fisher's exact = 0.821

195 . tab2 MHIV xMUAC_diff2, exact

-> tabulation of MHIV by xMUAC_diff2

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 4

stage 1: enumerations = 0

M HIV	4 quantiles of MUAC_diff2				Total
	1	2	3	4	
0	2	2	3	3	10
1	4	4	1	2	11
Total	6	6	4	5	21

Fisher's exact = 0.572

196 . tab2 MHIV xWeight_diff3, exact

-> tabulation of MHIV by xWeight_diff3

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 4

stage 2: enumerations = 11

stage 1: enumerations = 0

M HIV	4 quantiles of Weight_diff3				Total
	1	2	3	4	
0	2	1	2	4	9
1	3	4	3	0	10
Total	5	5	5	4	19

Fisher's exact = 0.166

197 . tab2 MHIV xLength_diff3, exact

-> tabulation of MHIV by xLength_diff3

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 4

stage 1: enumerations = 0

M HIV	4 quantiles of Length_diff3				Total
	1	2	3	4	
0	1	3	3	2	9
1	4	2	2	2	10
Total	5	5	5	4	19

Fisher's exact = 0.632

198 . tab2 MHIV xHC_diff3, exact

-> tabulation of MHIV by xHC_diff3

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 1

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of HC_diff3				Total
	1	2	3	4	
0	3	1	3	2	9
1	5	1	2	2	10
Total	8	2	5	4	19

Fisher's exact = 0.909

199 . tab2 MHIV xMUAC_diff3, exact

-> tabulation of MHIV by xMUAC_diff3

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 6

stage 1: enumerations = 0

M HIV	4 quantiles of MUAC_diff3				Total
	1	2	3	4	
0	1	3	1	3	8
1	4	0	3	1	8
Total	5	3	4	4	16

Fisher's exact = 0.117

200 . tab2 MHIV xW4L_10, exact

-> tabulation of MHIV by xW4L_10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 8

stage 1: enumerations = 0

M HIV	4 quantiles of W4L_10				Total
	1	2	3	4	
0	1	2	4	2	9
1	4	3	1	2	10
Total	5	5	5	4	19

Fisher's exact = 0.340

201 . tab2 MHIV xW4L_6, exact

-> tabulation of MHIV by xW4L_6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of W4L_6				Total
	1	2	3	4	
0	2	3	3	2	10
1	4	2	2	3	11
Total	6	5	5	5	21

Fisher's exact = 0.830

202 . tab2 MHIV xW4L_12, exact

-> tabulation of MHIV by xW4L_12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 6

stage 2: enumerations = 10

stage 1: enumerations = 0

M HIV	4 quantiles of W4L_12				Total
	1	2	3	4	
0	2	0	4	4	10
1	4	5	1	1	11
Total	6	5	5	5	21

Fisher's exact = 0.027

203 .
end of do-file

204 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

205 . tab2 MHIV xBMI, exact

-> tabulation of MHIV by xBMI

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 0

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of BMI				Total
	1	2	3	4	
0	2	2	2	2	8
1	3	2	2	2	9
Total	5	4	4	4	17

Fisher's exact = 1.000

206 .
end of do-file

207 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

208 . *Generate and test z-score categories according to cutoff of -2 (category 1) and -3 (category 2)

209 . gen Weight_0cat1=.
(21 missing values generated)

210 . replace Weight_0cat1=0 if Weight_Z0>=-2 & Weight_Z0<100
Weight_Z0 not found

```
r(111);
```

```
end of do-file
```

```
r(111);
```

```
211 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
212 . replace Weight_0cat1=0 if W4A_Z0>=-2 & W4A_Z0<100
      (17 real changes made)
```

```
213 . replace Weight_0cat1=1 if W4A_Z0<-2
      (3 real changes made)
```

```
214 . tab Weight_0cat1
```

Weight_0cat 1	Freq.	Percent	Cum.
0	17	85.00	85.00
1	3	15.00	100.00
Total	20	100.00	

```
215 . tab2 MHIV Weight_0cat1, exact
```

```
-> tabulation of MHIV by Weight_0cat1
```

M HIV	Weight_0cat1		Total
	0	1	
0	8	1	9
1	9	2	11
Total	17	3	20

```

      Fisher's exact =          1.000
      1-sided Fisher's exact =    0.579

```

```
216 .
      end of do-file
```

```
217 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
218 . gen Weight_10cat1=.
      (21 missing values generated)
```

```
219 . replace Weight_10cat1=0 if W4A_Z10>=-2 & W4A_Z10<100
      (19 real changes made)
```

```
220 . replace Weight_10cat1=1 if W4A_Z10<-2
      (0 real changes made)
```

```
221 . tab Weight_10cat1
```

Weight_10ca t1	Freq.	Percent	Cum.
0	19	100.00	100.00
Total	19	100.00	

```
222 . tab2 MHIV Weight_10cat1, exact
```

```
-> tabulation of MHIV by Weight_10cat1
```

M HIV	Weight_10c at1		Total
	0	1	
0	9		9
1	10		10

Total		19		19
-------	--	----	--	----

```

223 .
    end of do-file

224 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

225 . gen Weight_10cat2=.
    (21 missing values generated)

226 . replace Weight_10cat2=0 if W4A_Z10>=-3 & W4A_Z10<100
    (19 real changes made)

227 . replace Weight_10cat2=1 if W4A_Z10<-3
    (0 real changes made)

228 . tab Weight_10cat2

```

Weight_10cat2	Freq.	Percent	Cum.
0	19	100.00	100.00
Total	19	100.00	

```

229 . tab2 MHIV Weight_10cat2, exact

```

-> tabulation of MHIV by Weight_10cat2

M HIV	Weight_10cat2	
	0	Total
0	9	9
1	10	10
Total	19	19

```

230 .
    end of do-file

231 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

232 . gen Weight_6cat1=.
    (21 missing values generated)

233 . replace Weight_6cat1=0 if W4A_Z6>=-2 & W4A_Z6<100
    (20 real changes made)

234 . replace Weight_6cat1=1 if W4A_Z6<-2
    (1 real change made)

235 . tab Weight_6cat1

```

Weight_6cat1	Freq.	Percent	Cum.
0	20	95.24	95.24
1	1	4.76	100.00
Total	21	100.00	

```

236 . tab2 MHIV Weight_6cat1, exact

```

-> tabulation of MHIV by Weight_6cat1

M HIV	Weight_6cat1		Total
	0	1	
0	10	0	10
1	10	1	11
Total	20	1	21

```

        Fisher's exact =          1.000
    1-sided Fisher's exact =      0.524

```

```

237 .
    end of do-file

238 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

239 . gen Weight_6cat2=.
    (21 missing values generated)

240 . replace Weight_6cat2=0 if W4A_Z6>=-3 & W4A_Z6<100
    (21 real changes made)

241 . replace Weight_6cat2=1 if W4A_Z6<-3
    (0 real changes made)

242 . tab Weight_6cat2

```

Weight_6cat 2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```

243 . tab2 MHIV Weight_6cat2, exact

```

-> tabulation of MHIV by Weight_6cat2

M HIV	Weight_6cat2	
	0	Total
0	10	10
1	11	11
Total	21	21

```

244 .
    end of do-file

245 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

246 . gen Weight_12cat1=.
    (21 missing values generated)

247 . replace Weight_12cat1=0 if W4A_Z12>=-2 & W4A_Z12<12
    (18 real changes made)

248 . replace Weight_12cat1=1 if W4A_Z12<-2
    (1 real change made)

249 . tab Weight_12cat1

```

Weight_12cat t1	Freq.	Percent	Cum.
0	18	94.74	94.74
1	1	5.26	100.00
Total	19	100.00	

```

250 . tab2 MHIV Weight_12cat1, exact

```

-> tabulation of MHIV by Weight_12cat1

M HIV	Weight_12cat1		Total
	0	1	
0	9	0	9
1	9	1	10

Total	18	1	19
-------	----	---	----

Fisher's exact = 1.000
 1-sided Fisher's exact = 0.526

```

251 .
    end of do-file

252 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

253 . gen Weight_12cat2=.
    (21 missing values generated)

254 . replace Weight_12cat2=0 if W4A_Z12>=-3 & W4A_Z12<100
    (21 real changes made)

255 . replace Weight_12cat2=1 if W4A_Z12<-3
    (0 real changes made)

256 . tab Weight_12cat2

```

Weight_12cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```

257 . tab2 MHIV Weight_12cat2, exact

```

-> tabulation of MHIV by Weight_12cat2

M HIV	Weight_12cat2	
	0	Total
0	10	10
1	11	11
Total	21	21

```

258 .
    end of do-file

259 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

260 . gen Length_0cat1=.
    (21 missing values generated)

261 . replace Length_0cat1=0 if W4L_Z0>=-2 & W4L_Z0<100
    (12 real changes made)

262 . replace Length_0cat1=1 if W4L_Z0<-2
    (3 real changes made)

263 . tab Length_0cat1

```

Length_0cat1	Freq.	Percent	Cum.
0	12	80.00	80.00
1	3	20.00	100.00
Total	15	100.00	

```

264 . tab2 MHIV Length_0cat1, exact

```

-> tabulation of MHIV by Length_0cat1

M HIV	Length_0cat1	
	0	1
		Total

0	5	1	6
1	7	2	9
Total	12	3	15

Fisher's exact = 1.000
 1-sided Fisher's exact = 0.659

```
265 . gen Length_10cat1=.
      (21 missing values generated)

266 . replace Length_10cat1=0 if W4L_Z10>=-2 & W4L_Z10<100
      (17 real changes made)

267 . replace Length_10cat1=1 if W4L_Z10<~-2
      (2 real changes made)

268 . tab Length_10cat1
```

Length_10cat1	Freq.	Percent	Cum.
0	17	89.47	89.47
1	2	10.53	100.00
Total	19	100.00	

```
269 . tab2 MHIV Length_10cat1, exact
```

-> tabulation of MHIV by Length_10cat1

M HIV	Length_10cat1		Total
	0	1	
0	8	1	9
1	9	1	10
Total	17	2	19

Fisher's exact = 1.000
 1-sided Fisher's exact = 0.737

```
270 . gen Length_10cat2=.
      (21 missing values generated)

271 . replace Length_10cat2=0 if W4L_Z10>=-3 & W4L_Z10<100
      (19 real changes made)

272 . replace Length_10cat2=1 if W4L_Z10<~-3
      (0 real changes made)

273 . tab Length_10cat2
```

Length_10cat2	Freq.	Percent	Cum.
0	19	100.00	100.00
Total	19	100.00	

```
274 . tab2 MHIV Length_10cat2, exact
```

-> tabulation of MHIV by Length_10cat2

M HIV	Length_10cat2		Total
	0	1	
0	9	0	9
1	10	0	10
Total	19	0	19

```

275 . gen Length_6cat1=.
      (21 missing values generated)

276 . replace Length_6cat1=0 if W4L_Z6>=-2 & W4L_Z6<100
      (21 real changes made)

277 . replace Length_6cat1=1 if W4L_Z6<-2
      (0 real changes made)

```

```
278 . tab Length_6cat1
```

Length_6cat 1	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
279 . tab2 MHIV Length_6cat1, exact
```

-> tabulation of MHIV by Length_6cat1

M HIV	Length_6cat1	
	0	Total
0	10	10
1	11	11
Total	21	21

```

280 . gen Length_6cat2=.
      (21 missing values generated)

281 . replace Length_6cat2=0 if W4L_Z6>=-3 & W4L_Z6<100
      (21 real changes made)

282 . replace Length_6cat2=1 if W4L_Z6<-3
      (0 real changes made)

```

```
283 . tab Length_6cat2
```

Length_6cat 2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
284 . tab2 MHIV Length_6cat2, exact
```

-> tabulation of MHIV by Length_6cat2

M HIV	Length_6cat2	
	0	Total
0	10	10
1	11	11
Total	21	21

```

285 . gen Length_12cat1=.
      (21 missing values generated)

286 . replace Length_12cat1=0 if W4L_Z12>=-2 & W4L_Z12<12
      (18 real changes made)

287 . replace Length_12cat1=1 if W4L_Z12<-2
      (1 real change made)

288 . tab Length_12cat1

```


Length_12cat1	Freq.	Percent	Cum.
0	18	94.74	94.74
1	1	5.26	100.00
Total	19	100.00	

```
289 . tab2 MHIV Length_12cat1, exact
```

```
-> tabulation of MHIV by Length_12cat1
```

M HIV	Length_12cat1		Total
	0	1	
0	9	0	9
1	9	1	10
Total	18	1	19

```

Fisher's exact = 1.000
1-sided Fisher's exact = 0.526

```

```
290 . gen Length_12cat2=.
      (21 missing values generated)
```

```
291 . replace Length_12cat2=0 if W4L_Z12>=-3 & W4L_Z12<100
      (21 real changes made)
```

```
292 . replace Length_12cat2=1 if W4L_Z12<=-3
      (0 real changes made)
```

```
293 . tab Length_12cat2
```

Length_12cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
294 . tab2 MHIV Length_12cat2, exact
```

```
-> tabulation of MHIV by Length_12cat2
```

M HIV	Length_12cat2		Total
	0	1	
0	10	0	10
1	11	0	11
Total	21	0	21

```
295 .
      end of do-file
```

```
296 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
297 . gen HC_0cat1=.
      (21 missing values generated)
```

```
298 . replace HC_0cat1=0 if HC_Z0>=-2 & HC_Z0<100
      (16 real changes made)
```

```
299 . replace HC_0cat1=1 if HC_Z0<=-2
      (1 real change made)
```

```
300 . tab HC_0cat1
```

HC_0cat1	Freq.	Percent	Cum.
0	16	94.12	94.12

1	1	5.88	100.00
Total	17	100.00	

```

301 . tab2 MHIV HC_10cat1, exact
    variable HC_10cat1 not found
    r(111);

    end of do-file

    r(111);

302 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

303 . gen HC_10cat1=.
    (21 missing values generated)

304 .
    end of do-file

305 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

306 . replace HC_10cat1=0 if HC_Z10>=-2 & HC_Z10<100
    (18 real changes made)

307 . replace HC_10cat1=1 if HC_Z10<-2
    (0 real changes made)

308 . tab HC_10cat1

```

HC_10cat1	Freq.	Percent	Cum.
0	18	100.00	100.00
Total	18	100.00	

```

309 . tab2 MHIV HC_10cat1, exact

    -> tabulation of MHIV by HC_10cat1

```

M HIV	HC_10cat1 0	Total
0	9	9
1	9	9
Total	18	18

```

310 .
    end of do-file

311 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

312 . gen HC_10cat2=.
    (21 missing values generated)

313 . replace HC_10cat2=0 if HC_Z10>=-3 & HC_Z10<100
    (18 real changes made)

314 . replace HC_10cat2=1 if HC_Z10<-3
    (0 real changes made)

315 . tab HC_10cat2

```

HC_10cat2	Freq.	Percent	Cum.
0	18	100.00	100.00
Total	18	100.00	

```

316 . tab2 MHIV HC_10cat2, exact

    -> tabulation of MHIV by HC_10cat2

```

M HIV	HC_10cat2	Total
	0	
0	9	9
1	9	9
Total	18	18

```

317 . gen HC_6cat1=.
      (21 missing values generated)

318 . replace HC_6cat1=0 if HC_Z6>=-2 & HC_Z6<100
      (21 real changes made)

319 . replace HC_6cat1=1 if HC_Z6<-2
      (0 real changes made)

320 . tab HC_6cat1

```

HC_6cat1	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```

321 . tab2 MHIV HC_6cat1, exact

```

-> tabulation of MHIV by HC_6cat1

M HIV	HC_6cat1	Total
	0	
0	10	10
1	11	11
Total	21	21

```

322 . gen HC_6cat2=.
      (21 missing values generated)

323 . replace HC_6cat2=0 if HC_Z6>=-3 & HC_Z6<100
      (21 real changes made)

324 . replace HC_6cat2=1 if HC_Z6<-3
      (0 real changes made)

325 . tab HC_6cat2

```

HC_6cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```

326 . tab2 MHIV HC_6cat2, exact

```

-> tabulation of MHIV by HC_6cat2

M HIV	HC_6cat2	Total
	0	
0	10	10
1	11	11
Total	21	21

```

327 . gen HC_12cat1=.
      (21 missing values generated)

328 . replace HC_12cat1=0 if HC_Z12>=-2 & HC_Z10<12
      (18 real changes made)

```

```
329 . replace HC_12cat1=1 if HC_Z12<-2
      (0 real changes made)
```

```
330 . tab HC_12cat1
```

HC_12cat1	Freq.	Percent	Cum.
0	18	100.00	100.00
Total	18	100.00	

```
331 . tab2 MHIV HC_12cat1, exact
```

-> tabulation of MHIV by HC_12cat1

M HIV	HC_12cat1 0	Total
0	9	9
1	9	9
Total	18	18

```
332 . gen HC_12cat2=.
      (21 missing values generated)
```

```
333 . replace HC_12cat2=0 if HC_Z12>=-3 & HC_Z12<100
      (21 real changes made)
```

```
334 . replace HC_12cat2=1 if HC_Z12<-3
      (0 real changes made)
```

```
335 . tab HC_12cat2
```

HC_12cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
336 . tab2 MHIV HC_12cat2, exact
```

-> tabulation of MHIV by HC_12cat2

M HIV	HC_12cat2 0	Total
0	10	10
1	11	11
Total	21	21

```
337 .
      end of do-file
```

```
338 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
339 . gen MUAC_6cat1=.
      (21 missing values generated)
```

```
340 . replace MUAC_6cat1=0 if MUAC_Z6>=-2 & MUAC_Z6<100
      (21 real changes made)
```

```
341 . replace MUAC_6cat1=1 if MUAC_Z6<-2
      (0 real changes made)
```

```
342 . tab MUAC_6cat1
```

MUAC_6cat1	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
343 . tab2 MHIV MUAC_6cat1, exact
```

```
-> tabulation of MHIV by MUAC_6cat1
```

M HIV	MUAC_6cat1 0	Total
0	10	10
1	11	11
Total	21	21

```
344 . gen MUAC_6cat2=.
      (21 missing values generated)
```

```
345 . replace MUAC_6cat2=0 if MUAC_Z6>=-3 & MUAC_Z6<100
      (21 real changes made)
```

```
346 . replace MUAC_6cat2=1 if MUAC_Z6<-3
      (0 real changes made)
```

```
347 . tab MUAC_6cat2
```

MUAC_6cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
348 . tab2 MHIV MUAC_6cat2, exact
```

```
-> tabulation of MHIV by MUAC_6cat2
```

M HIV	MUAC_6cat2 0	Total
0	10	10
1	11	11
Total	21	21

```
349 . gen MUAC_12cat1=.
      (21 missing values generated)
```

```
350 . replace MUAC_12cat1=0 if MUAC_Z12>=-2 & MUAC_Z10<12
      (0 real changes made)
```

```
351 . replace MUAC_12cat1=1 if MUAC_Z12<-2
      (0 real changes made)
```

```
352 . tab MUAC_12cat1
      no observations
```

```
353 . tab2 MHIV MUAC_12cat1, exact
```

```
-> tabulation of MHIV by MUAC_12cat1
      no observations
```

```
354 . gen MUAC_12cat2=.
      (21 missing values generated)
```

```
355 . replace MUAC_12cat2=0 if MUAC_Z12>=-3 & MUAC_Z12<100
      (21 real changes made)
```

```
356 . replace MUAC_12cat2=1 if MUAC_Z12<-3
      (0 real changes made)
```

```
357 . tab MUAC_12cat2
```

MUAC_12cat2	Freq.	Percent	Cum.
0	21	100.00	100.00

Total	21	100.00
-------	----	--------

358 . tab2 MHIV MUAC_12cat2, exact

-> tabulation of MHIV by MUAC_12cat2

M HIV	MUAC_12cat2	
	0	Total
0	10	10
1	11	11
Total	21	21

359 . gen W4L_0cat1=.

(21 missing values generated)

360 . replace W4L_0cat1=0 if W4L_Z0>=-2 & W4L_Z0<100

(12 real changes made)

361 . replace W4L_0cat1=1 if W4L_Z0<-2

(3 real changes made)

362 . tab W4L_0cat1

W4L_0cat1	Freq.	Percent	Cum.
0	12	80.00	80.00
1	3	20.00	100.00
Total	15	100.00	

363 . tab2 MHIV W4L_0cat1, exact

-> tabulation of MHIV by W4L_0cat1

M HIV	W4L_0cat1		Total
	0	1	
0	5	1	6
1	7	2	9
Total	12	3	15

Fisher's exact = 1.000
1-sided Fisher's exact = 0.659

364 . gen W4L_10cat1=.

(21 missing values generated)

365 . replace W4L_10cat1=0 if W4L_Z10>=-2 & W4L_Z10<100

(17 real changes made)

366 . replace W4L_10cat1=1 if W4L_Z10<-2

(2 real changes made)

367 . tab W4L_10cat1

W4L_10cat1	Freq.	Percent	Cum.
0	17	89.47	89.47
1	2	10.53	100.00
Total	19	100.00	

368 . tab2 MHIV W4L_10cat1, exact

-> tabulation of MHIV by W4L_10cat1

M HIV	W4L_10cat1		Total
	0	1	

0	8	1	9
1	9	1	10
Total	17	2	19

Fisher's exact = 1.000
 1-sided Fisher's exact = 0.737

```
369 . gen W4L_10cat2=.
      (21 missing values generated)

370 . replace W4L_10cat2=0 if W4L_Z10>=-3 & W4L_Z10<100
      (19 real changes made)

371 . replace W4L_10cat2=1 if W4L_Z10<-3
      (0 real changes made)

372 . tab W4L_10cat2
```

W4L_10cat2	Freq.	Percent	Cum.
0	19	100.00	100.00
Total	19	100.00	

```
373 . tab2 MHIV W4L_10cat2, exact
```

-> tabulation of MHIV by W4L_10cat2

M HIV	W4L_10cat2 0	Total
0	9	9
1	10	10
Total	19	19

```
374 . gen W4L_6cat1=.
      (21 missing values generated)

375 . replace W4L_6cat1=0 if W4L_Z6>=-2 & W4L_Z6<100
      (21 real changes made)

376 . replace W4L_6cat1=1 if W4L_Z6<-2
      (0 real changes made)

377 . tab W4L_6cat1
```

W4L_6cat1	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
378 . tab2 MHIV W4L_6cat1, exact
```

-> tabulation of MHIV by W4L_6cat1

M HIV	W4L_6cat1 0	Total
0	10	10
1	11	11
Total	21	21

```
379 . gen W4L_6cat2=.
      (21 missing values generated)

380 . replace W4L_6cat2=0 if W4L_Z6>=-3 & W4L_Z6<100
      (21 real changes made)
```

```
381 . replace W4L_6cat2=1 if W4L_Z6<-3
      (0 real changes made)
```

```
382 . tab W4L_6cat2
```

W4L_6cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	

```
383 . tab2 MHIV W4L_6cat2, exact
```

-> tabulation of MHIV by W4L_6cat2

M HIV	W4L_6cat2 0	Total
0	10	10
1	11	11
Total	21	21

```
384 . gen W4L_12cat1=.
      (21 missing values generated)
```

```
385 . replace W4L_12cat1=0 if W4L_Z12>=-2 & W4L_Z10<12
      (18 real changes made)
```

```
386 . replace W4L_12cat1=1 if W4L_Z12<-2
      (1 real change made)
```

```
387 . tab W4L_12cat1
```

W4L_12cat1	Freq.	Percent	Cum.
0	18	94.74	94.74
1	1	5.26	100.00
Total	19	100.00	

```
388 . tab2 MHIV W4L_12cat1, exact
```

-> tabulation of MHIV by W4L_12cat1

M HIV	W4L_12cat1 0	1	Total
0	9	0	9
1	9	1	10
Total	18	1	19

```

      Fisher's exact = 1.000
      1-sided Fisher's exact = 0.526
```

```
389 . gen W4L_12cat2=.
      (21 missing values generated)
```

```
390 . replace W4L_12cat2=0 if W4L_Z12>=-3 & W4L_Z12<100
      (21 real changes made)
```

```
391 . replace W4L_12cat2=1 if W4L_Z12<-3
      (0 real changes made)
```

```
392 . tab W4L_12cat2
```

W4L_12cat2	Freq.	Percent	Cum.
0	21	100.00	100.00
Total	21	100.00	


```
393 . tab2 MHIV W4L_12cat2, exact
```

```
-> tabulation of MHIV by W4L_12cat2
```

M HIV	W4L_12cat2	Total
	0	
0	10	10
1	11	11
Total	21	21

```
394 .
end of do-file
```

```
395 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
396 . *Now we look at the cytokine results
```

```
397 . *Difference between HEU and HUU
```

```
398 . kwallis IL8_C0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	109.00
1	11	122.00

```
chi2(1) = 0.005
Prob = 0.9439
```

```
chi2(1) with ties = 0.005
Prob = 0.9439
```

```
399 . kwallis IL10_C0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	114.00
1	11	117.00

```
chi2(1) = 0.079
Prob = 0.7782
```

```
chi2(1) with ties = 0.081
Prob = 0.7756
```

```
400 . kwallis IL6_C0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.00
1	11	125.00

```
chi2(1) = 0.079
Prob = 0.7782
```

```
chi2(1) with ties = 0.080
Prob = 0.7779
```

```
401 . kwallis TNFa_C0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	119.00
1	11	112.00

chi2(1) = **0.402**
 Prob = **0.5262**

chi2(1) with ties = **0.402**
 Prob = **0.5262**

402 . kwallis IFNg_C0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	109.00
1	11	122.00

chi2(1) = **0.005**
 Prob = **0.9439**

chi2(1) with ties = **0.011**
 Prob = **0.9182**

403 . kwallis IL2_C0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	103.50
1	11	127.50

chi2(1) = **0.210**
 Prob = **0.6472**

chi2(1) with ties = **0.222**
 Prob = **0.6378**

404 . kwallis IL4_C0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	92.50
1	11	138.50

chi2(1) = **1.519**
 Prob = **0.2178**

chi2(1) with ties = **1.541**
 Prob = **0.2145**

405 . kwallis GMCSF_C0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	97.00

1	11	134.00
---	----	--------

```
chi2(1) = 0.838
Prob = 0.3600
```

```
chi2(1) with ties = 0.871
Prob = 0.3507
```

```
406 . kwallis IL8_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	111.00
1	11	120.00

```
chi2(1) = 0.005
Prob = 0.9439
```

```
chi2(1) with ties = 0.005
Prob = 0.9439
```

```
407 . kwallis IL10_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	104.00
1	11	127.00

```
chi2(1) = 0.179
Prob = 0.6727
```

```
chi2(1) with ties = 0.179
Prob = 0.6727
```

```
408 . kwallis IL6_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	96.00
1	11	135.00

```
chi2(1) = 0.972
Prob = 0.3242
```

```
chi2(1) with ties = 0.972
Prob = 0.3242
```

```
409 . kwallis TNFa_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	112.00
1	11	119.00

```
chi2(1) = 0.020
Prob = 0.8880
```

```
chi2(1) with ties = 0.020
Prob = 0.8880
```

```
410 . kwallis IFNg_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	99.00
1	11	132.00

```
chi2(1) = 0.600
Prob = 0.4386
```

```
chi2(1) with ties = 1.276
Prob = 0.2586
```

```
411 . kwallis IL2_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	104.50
1	11	126.50

```
chi2(1) = 0.150
Prob = 0.6985
```

```
chi2(1) with ties = 0.163
Prob = 0.6866
```

```
412 . kwallis IL4_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.00
1	11	125.00

```
chi2(1) = 0.079
Prob = 0.7782
```

```
chi2(1) with ties = 0.079
Prob = 0.7781
```

```
413 . kwallis GMCSE_LPS0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	101.00
1	11	130.00

```
chi2(1) = 0.402
Prob = 0.5262
```

```
chi2(1) with ties = 0.408
Prob = 0.5231
```

```
414 . kwallis IL8_poly0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	89.00
1	11	142.00

chi2(1) = 2.187
Prob = 0.1392

chi2(1) with ties = 2.187
Prob = 0.1392

415 . kwallis IL10_poly0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	91.50
1	11	139.50

chi2(1) = 1.697
Prob = 0.1927

chi2(1) with ties = 1.721
Prob = 0.1896

416 . kwallis IL6_poly0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	85.00
1	11	146.00

chi2(1) = 3.099
Prob = 0.0783

chi2(1) with ties = 3.107
Prob = 0.0779

417 . kwallis TNFa_poly0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	102.00
1	11	129.00

chi2(1) = 0.317
Prob = 0.5732

chi2(1) with ties = 0.317
Prob = 0.5732

418 . kwallis IFNg_poly0, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

0	10	122.50
1	11	108.50

```
chi2(1) = 0.775
Prob = 0.3787
```

```
chi2(1) with ties = 1.389
Prob = 0.2386
```

```
419 . kwallis IL2_poly0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	90.50
1	11	140.50

```
chi2(1) = 1.886
Prob = 0.1697
```

```
chi2(1) with ties = 1.994
Prob = 0.1579
```

```
420 . kwallis IL4_poly0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.00
1	11	125.00

```
chi2(1) = 0.079
Prob = 0.7782
```

```
chi2(1) with ties = 0.079
Prob = 0.7781
```

```
421 . kwallis GMCSF_poly0, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	88.00
1	11	143.00

```
chi2(1) = 2.400
Prob = 0.1213
```

```
chi2(1) with ties = 2.462
Prob = 0.1166
```

```
422 . kwallis IL8_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	51.00
1	7	69.00

```
chi2(1) = 2.263
Prob = 0.1325
```

```
chi2(1) with ties = 2.263
Prob = 0.1325
```

```
423 . kwallis IL10_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	51.50
1	7	68.50

```
chi2(1) = 2.093
Prob = 0.1480
```

```
chi2(1) with ties = 2.100
Prob = 0.1473
```

```
424 . kwallis IL6_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	51.00
1	7	69.00

```
chi2(1) = 2.263
Prob = 0.1325
```

```
chi2(1) with ties = 2.267
Prob = 0.1321
```

```
425 . kwallis TNFa_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	54.00
1	7	66.00

```
chi2(1) = 1.339
Prob = 0.2472
```

```
chi2(1) with ties = 1.339
Prob = 0.2472
```

```
426 . kwallis IFNg_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	57.00
1	7	63.00

```
chi2(1) = 0.656
Prob = 0.4179
```

```
chi2(1) with ties = 1.081
Prob = 0.2985
```

```
427 . kwallis IL2_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	79.00
1	7	41.00

```
chi2(1) = 3.013
Prob = 0.0826
```

```
chi2(1) with ties = 3.125
Prob = 0.0771
```

```
428 . kwallis IL4_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	68.50
1	7	51.50

```
chi2(1) = 0.271
Prob = 0.6025
```

```
chi2(1) with ties = 0.274
Prob = 0.6009
```

```
429 . kwallis GMCSF_C10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	62.00
1	7	58.00

```
chi2(1) = 0.054
Prob = 0.8170
```

```
chi2(1) with ties = 0.055
Prob = 0.8150
```

```
430 . kwallis IL8_LPS10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	66.00
1	7	54.00

```
chi2(1) = 0.054
Prob = 0.8170
```

```
chi2(1) with ties = 0.054
Prob = 0.8170
```

```
431 . kwallis IL10_LPS10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	54.00
1	7	66.00

chi2(1) = 1.339
Prob = 0.2472

chi2(1) with ties = 1.339
Prob = 0.2472

432 . kwallis IL6_LPS10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	60.00
1	7	60.00

chi2(1) = 0.214
Prob = 0.6434

chi2(1) with ties = 0.214
Prob = 0.6434

433 . kwallis TNFa_LPS10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	63.00
1	7	57.00

chi2(1) = 0.013
Prob = 0.9079

chi2(1) with ties = 0.013
Prob = 0.9079

434 . kwallis IFNg_LPS10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	67.00
1	7	53.00

chi2(1) = 0.121
Prob = 0.7285

chi2(1) with ties = 0.122
Prob = 0.7270

435 . kwallis IL2_LPS10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	71.00
1	7	49.00

```
_____
```

```
chi2(1) = 0.656
Prob = 0.4179
```

```
chi2(1) with ties = 0.729
Prob = 0.3932
```

```
436 . kwallis IL4_LPS10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	69.50
1	7	50.50

```
chi2(1) = 0.405
Prob = 0.5245
```

```
chi2(1) with ties = 0.406
Prob = 0.5241
```

```
437 . kwallis GMCSE_LPS10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	69.50
1	7	50.50

```
chi2(1) = 0.405
Prob = 0.5245
```

```
chi2(1) with ties = 0.412
Prob = 0.5207
```

```
438 . kwallis IL8_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	62.00
1	7	58.00

```
chi2(1) = 0.054
Prob = 0.8170
```

```
chi2(1) with ties = 0.054
Prob = 0.8170
```

```
439 . kwallis IL10_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	52.00
1	7	68.00

```
chi2(1) = 1.929
Prob = 0.1649
```

```
chi2(1) with ties = 1.929
Prob = 0.1649
```

```
440 . kwallis IL6_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	59.00
1	7	61.00

```
chi2(1) = 0.335
Prob = 0.5628
```

```
chi2(1) with ties = 0.335
Prob = 0.5625
```

```
441 . kwallis TNFa_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	56.00
1	7	64.00

```
chi2(1) = 0.857
Prob = 0.3545
```

```
chi2(1) with ties = 0.857
Prob = 0.3545
```

```
442 . kwallis IFNg_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	67.00
1	7	53.00

```
chi2(1) = 0.121
Prob = 0.7285
```

```
chi2(1) with ties = 0.129
Prob = 0.7199
```

```
443 . kwallis IL2_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	71.50
1	7	48.50

```
chi2(1) = 0.753
Prob = 0.3854
```

```
chi2(1) with ties = 0.783
Prob = 0.3763
```

```
444 . kwallis IL4_poly10, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	77.00
1	7	43.00

chi2(1) = **2.263**
 Prob = **0.1325**

chi2(1) with ties = **2.267**
 Prob = **0.1321**

445 . kwallis GMCSF_poly10, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	70.00
1	7	50.00

chi2(1) = **0.482**
 Prob = **0.4875**

chi2(1) with ties = **0.501**
 Prob = **0.4791**

446 . kwallis IL8_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	92.00
1	11	139.00

chi2(1) = **1.607**
 Prob = **0.2050**

chi2(1) with ties = **1.607**
 Prob = **0.2050**

447 . kwallis IL10_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	101.50
1	11	129.50

chi2(1) = **0.358**
 Prob = **0.5495**

chi2(1) with ties = **0.358**
 Prob = **0.5493**

448 . kwallis IL6_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum

0	10	110.00
1	11	121.00

chi2(1) = 0.000
Prob = 1.0000

chi2(1) with ties = 0.000
Prob = 1.0000

449 . kwallis TNFa_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	100.00
1	11	131.00

chi2(1) = 0.496
Prob = 0.4813

chi2(1) with ties = 0.496
Prob = 0.4813

450 . kwallis IFNg_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	102.50
1	11	128.50

chi2(1) = 0.279
Prob = 0.5974

chi2(1) with ties = 0.295
Prob = 0.5868

451 . kwallis IL2_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.00
1	11	125.00

chi2(1) = 0.079
Prob = 0.7782

chi2(1) with ties = 0.086
Prob = 0.7693

452 . kwallis IL4_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	140.00
1	11	91.00

chi2(1) = 4.463

Prob = **0.0346**

chi2(1) with ties = **4.463**
 Prob = **0.0346**

453 . kwallis GMCSF_C6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	113.50
1	11	117.50

chi2(1) = **0.061**
 Prob = **0.8053**

chi2(1) with ties = **0.062**
 Prob = **0.8030**

454 . kwallis IL8_LPS6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	84.00
1	11	147.00

chi2(1) = **3.352**
 Prob = **0.0671**

chi2(1) with ties = **3.352**
 Prob = **0.0671**

455 . kwallis IL10_LPS6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	108.50
1	11	122.50

chi2(1) = **0.011**
 Prob = **0.9159**

chi2(1) with ties = **0.011**
 Prob = **0.9159**

456 . kwallis IL6_LPS6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	97.00
1	11	134.00

chi2(1) = **0.838**
 Prob = **0.3600**

chi2(1) with ties = **0.838**
 Prob = **0.3600**

```
457 . kwallis TNFa_LPS6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	111.00
1	11	120.00

```
chi2(1) = 0.005
Prob = 0.9439
```

```
chi2(1) with ties = 0.005
Prob = 0.9439
```

```
458 . kwallis IFNg_LPS6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	100.00
1	11	131.00

```
chi2(1) = 0.496
Prob = 0.4813
```

```
chi2(1) with ties = 0.524
Prob = 0.4689
```

```
459 . kwallis IL2_LPS6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	110.00
1	11	121.00

```
chi2(1) = 0.000
Prob = 1.0000
```

```
chi2(1) with ties = 0.000
Prob = 1.0000
```

```
460 . kwallis IL4_LPS6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	142.00
1	11	89.00

```
chi2(1) = 5.078
Prob = 0.0242
```

```
chi2(1) with ties = 5.081
Prob = 0.0242
```

```
461 . kwallis GMCSF_LPS6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

MHIV	Obs	Rank sum
0	10	101.00
1	11	130.00

chi2(1) = **0.402**
 Prob = **0.5262**

chi2(1) with ties = **0.407**
 Prob = **0.5233**

462 . kwallis IL8_poly6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	100.00
1	11	131.00

chi2(1) = **0.496**
 Prob = **0.4813**

chi2(1) with ties = **0.496**
 Prob = **0.4813**

463 . kwallis IL10_poly6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	109.50
1	11	121.50

chi2(1) = **0.001**
 Prob = **0.9719**

chi2(1) with ties = **0.001**
 Prob = **0.9719**

464 . kwallis IL6_poly6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	112.00
1	11	119.00

chi2(1) = **0.020**
 Prob = **0.8880**

chi2(1) with ties = **0.020**
 Prob = **0.8880**

465 . kwallis TNFa_poly6, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	111.00
1	11	120.00


```
chi2(1) = 0.005
Prob = 0.9439
```

```
chi2(1) with ties = 0.005
Prob = 0.9439
```

```
466 . kwallis IFNg_poly6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	121.50
1	11	109.50

```
chi2(1) = 0.656
Prob = 0.4181
```

```
chi2(1) with ties = 0.673
Prob = 0.4119
```

```
467 . kwallis IL2_poly6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	98.50
1	11	132.50

```
chi2(1) = 0.656
Prob = 0.4181
```

```
chi2(1) with ties = 0.735
Prob = 0.3913
```

```
468 . kwallis IL4_poly6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	141.00
1	11	90.00

```
chi2(1) = 4.765
Prob = 0.0290
```

```
chi2(1) with ties = 4.768
Prob = 0.0290
```

```
469 . kwallis GMCSF_poly6, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	103.50
1	11	127.50

```
chi2(1) = 0.210
Prob = 0.6472
```

```
chi2(1) with ties = 0.222
```

Prob = **0.6378**

470 . kwallis IL8_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	122.00
1	11	109.00

chi2(1) = **0.714**
Prob = **0.3981**

chi2(1) with ties = **0.714**
Prob = **0.3981**

471 . kwallis IL10_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	110.00
1	11	121.00

chi2(1) = **0.000**
Prob = **1.0000**

chi2(1) with ties = **0.000**
Prob = **1.0000**

472 . kwallis IL6_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	116.00
1	11	115.00

chi2(1) = **0.179**
Prob = **0.6727**

chi2(1) with ties = **0.179**
Prob = **0.6727**

473 . kwallis TNFa_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	93.50
1	11	137.50

chi2(1) = **1.350**
Prob = **0.2453**

chi2(1) with ties = **1.351**
Prob = **0.2451**

474 . kwallis IFNg_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	105.50
1	11	125.50

chi2(1) = **0.100**
 Prob = **0.7513**

chi2(1) with ties = **0.101**
 Prob = **0.7508**

475 . kwallis IL2_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	118.50
1	11	112.50

chi2(1) = **0.358**
 Prob = **0.5495**

chi2(1) with ties = **0.379**
 Prob = **0.5380**

476 . kwallis IL4_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	121.00
1	11	110.00

chi2(1) = **0.600**
 Prob = **0.4386**

chi2(1) with ties = **0.600**
 Prob = **0.4386**

477 . kwallis GMCSE_C12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	123.00
1	11	108.00

chi2(1) = **0.838**
 Prob = **0.3600**

chi2(1) with ties = **0.873**
 Prob = **0.3502**

478 . kwallis IL8_LPS12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	115.00

1	11	116.00
---	----	--------

chi2(1) = 0.124
Prob = 0.7248

chi2(1) with ties = 0.124
Prob = 0.7248

479 . kwallis IL10_LPS12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	102.00
1	11	129.00

chi2(1) = 0.317
Prob = 0.5732

chi2(1) with ties = 0.317
Prob = 0.5732

480 . kwallis IL6_LPS12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	117.00
1	11	114.00

chi2(1) = 0.243
Prob = 0.6221

chi2(1) with ties = 0.243
Prob = 0.6221

481 . kwallis TNFa_LPS12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	105.00
1	11	126.00

chi2(1) = 0.124
Prob = 0.7248

chi2(1) with ties = 0.124
Prob = 0.7248

482 . kwallis IFNg_LPS12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	123.00
1	11	108.00

chi2(1) = 0.838
Prob = 0.3600

```
chi2(1) with ties = 0.845
Prob = 0.3581
```

```
483 . kwallis IL2_LPS12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	103.50
1	11	127.50

```
chi2(1) = 0.210
Prob = 0.6472
```

```
chi2(1) with ties = 0.222
Prob = 0.6378
```

```
484 . kwallis IL4_LPS12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	128.00
1	11	103.00

```
chi2(1) = 1.607
Prob = 0.2050
```

```
chi2(1) with ties = 1.608
Prob = 0.2048
```

```
485 . kwallis GMCSF_LPS12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	120.50
1	11	110.50

```
chi2(1) = 0.547
Prob = 0.4597
```

```
chi2(1) with ties = 0.550
Prob = 0.4582
```

```
486 . kwallis IL8_poly12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	121.00
1	11	110.00

```
chi2(1) = 0.600
Prob = 0.4386
```

```
chi2(1) with ties = 0.600
Prob = 0.4386
```

```
487 . kwallis IL10_poly12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.00
1	11	125.00

chi2(1) = **0.079**
 Prob = **0.7782**

chi2(1) with ties = **0.080**
 Prob = **0.7778**

488 . kwallis IL6_poly12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.50
1	11	124.50

chi2(1) = **0.061**
 Prob = **0.8053**

chi2(1) with ties = **0.061**
 Prob = **0.8053**

489 . kwallis TNFa_poly12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	98.00
1	11	133.00

chi2(1) = **0.714**
 Prob = **0.3981**

chi2(1) with ties = **0.714**
 Prob = **0.3981**

490 . kwallis IFNg_poly12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	135.00
1	11	96.00

chi2(1) = **3.099**
 Prob = **0.0783**

chi2(1) with ties = **3.220**
 Prob = **0.0727**

491 . kwallis IL2_poly12, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

0	10	103.50
1	11	127.50

```
chi2(1) = 0.210
Prob = 0.6472
```

```
chi2(1) with ties = 0.222
Prob = 0.6376
```

```
492 . kwallis IL4_poly12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	115.00
1	11	116.00

```
chi2(1) = 0.124
Prob = 0.7248
```

```
chi2(1) with ties = 0.124
Prob = 0.7248
```

```
493 . kwallis GMCSF_poly12, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	116.50
1	11	114.50

```
chi2(1) = 0.210
Prob = 0.6472
```

```
chi2(1) with ties = 0.218
Prob = 0.6409
```

```
494 .
end of do-file
```

```
495 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
496 . kwallis IL8_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	66.00
1	7	54.00

```
chi2(1) = 0.054
Prob = 0.8170
```

```
chi2(1) with ties = 0.054
Prob = 0.8170
```

```
497 . kwallis IL10_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

0	8	55.00
1	7	65.00

```
chi2(1) = 1.085
Prob = 0.2976
```

```
chi2(1) with ties = 1.085
Prob = 0.2976
```

```
498 . kwallis IL6_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	56.00
1	7	64.00

```
chi2(1) = 0.857
Prob = 0.3545
```

```
chi2(1) with ties = 0.857
Prob = 0.3545
```

```
499 . kwallis TNFa_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	60.00
1	7	60.00

```
chi2(1) = 0.214
Prob = 0.6434
```

```
chi2(1) with ties = 0.214
Prob = 0.6434
```

```
500 . kwallis IFNg_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	59.00
1	7	61.00

```
chi2(1) = 0.335
Prob = 0.5628
```

```
chi2(1) with ties = 0.426
Prob = 0.5139
```

```
501 . kwallis IL2_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	78.50
1	7	41.50


```
chi2(1) = 2.816
Prob = 0.0933
```

```
chi2(1) with ties = 2.867
Prob = 0.0904
```

```
502 . kwallis IL4_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	69.50
1	7	50.50

```
chi2(1) = 0.405
Prob = 0.5245
```

```
chi2(1) with ties = 0.406
Prob = 0.5241
```

```
503 . kwallis GMCSE_Cdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	60.50
1	7	59.50

```
chi2(1) = 0.164
Prob = 0.6854
```

```
chi2(1) with ties = 0.167
Prob = 0.6828
```

```
504 . kwallis IL8_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	67.00
1	7	53.00

```
chi2(1) = 0.121
Prob = 0.7285
```

```
chi2(1) with ties = 0.121
Prob = 0.7285
```

```
505 . kwallis IL10_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	70.00
1	7	50.00

```
chi2(1) = 0.482
Prob = 0.4875
```

```
chi2(1) with ties = 0.482
Prob = 0.4875
```

```
506 . kwallis IL6_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	69.00
1	7	51.00

```
chi2(1) = 0.335
Prob = 0.5628
```

```
chi2(1) with ties = 0.335
Prob = 0.5628
```

```
507 . kwallis TNFa_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	63.00
1	7	57.00

```
chi2(1) = 0.013
Prob = 0.9079
```

```
chi2(1) with ties = 0.013
Prob = 0.9079
```

```
508 . kwallis IFNg_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	62.50
1	7	57.50

```
chi2(1) = 0.030
Prob = 0.8622
```

```
chi2(1) with ties = 0.030
Prob = 0.8616
```

```
509 . kwallis IL2_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	67.00
1	7	53.00

```
chi2(1) = 0.121
Prob = 0.7285
```

```
chi2(1) with ties = 0.129
Prob = 0.7199
```

```
510 . kwallis IL4_LPSdiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	68.50
1	7	51.50

chi2(1) = 0.271
Prob = 0.6025

chi2(1) with ties = 0.272
Prob = 0.6022

511 . kwallis GMCSF_LPSdiff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	70.00
1	7	50.00

chi2(1) = 0.482
Prob = 0.4875

chi2(1) with ties = 0.483
Prob = 0.4871

512 . kwallis IL8_polydiff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	66.00
1	7	54.00

chi2(1) = 0.054
Prob = 0.8170

chi2(1) with ties = 0.054
Prob = 0.8170

513 . kwallis IL10_polydiff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	63.00
1	7	57.00

chi2(1) = 0.013
Prob = 0.9079

chi2(1) with ties = 0.013
Prob = 0.9079

514 . kwallis IL6_polydiff1, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	63.00
1	7	57.00

```
_____
```

```
chi2(1) = 0.013
Prob = 0.9079
```

```
chi2(1) with ties = 0.013
Prob = 0.9079
```

```
515 . kwallis TNFa_polydiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	61.00
1	7	59.00

```
chi2(1) = 0.121
Prob = 0.7285
```

```
chi2(1) with ties = 0.121
Prob = 0.7285
```

```
516 . kwallis IFNg_polydiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	65.50
1	7	54.50

```
chi2(1) = 0.030
Prob = 0.8622
```

```
chi2(1) with ties = 0.032
Prob = 0.8577
```

```
517 . kwallis IL2_polydiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	76.00
1	7	44.00

```
chi2(1) = 1.929
Prob = 0.1649
```

```
chi2(1) with ties = 2.000
Prob = 0.1573
```

```
518 . kwallis IL4_polydiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	69.50
1	7	50.50

```
chi2(1) = 0.405
Prob = 0.5245
```

```
chi2(1) with ties = 0.405
Prob = 0.5245
```

```
519 . kwallis GMCSF_polydiff1, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	73.50
1	7	46.50

```
chi2(1) = 1.209
Prob = 0.2716
```

```
chi2(1) with ties = 1.211
Prob = 0.2712
```

```
520 . kwallis IL8_Cdiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	64.00
1	7	56.00

```
chi2(1) = 0.000
Prob = 1.0000
```

```
chi2(1) with ties = 0.000
Prob = 1.0000
```

```
521 . kwallis IL10_Cdiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	64.00
1	7	56.00

```
chi2(1) = 0.000
Prob = 1.0000
```

```
chi2(1) with ties = 0.000
Prob = 1.0000
```

```
522 . kwallis IL6_Cdiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	67.00
1	7	53.00

```
chi2(1) = 0.121
Prob = 0.7285
```

```
chi2(1) with ties = 0.121
Prob = 0.7285
```

```
523 . kwallis TNFa_Cdiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	66.00
1	7	54.00

chi2(1) = **0.054**
 Prob = **0.8170**

chi2(1) with ties = **0.054**
 Prob = **0.8170**

524 . kwallis IFNg_Cdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	73.00
1	7	47.00

chi2(1) = **1.085**
 Prob = **0.2976**

chi2(1) with ties = **1.127**
 Prob = **0.2884**

525 . kwallis IL2_Cdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	62.00
1	7	58.00

chi2(1) = **0.054**
 Prob = **0.8170**

chi2(1) with ties = **0.056**
 Prob = **0.8137**

526 . kwallis IL4_Cdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	72.00
1	7	48.00

chi2(1) = **0.857**
 Prob = **0.3545**

chi2(1) with ties = **0.857**
 Prob = **0.3545**

527 . kwallis GMCSF_Cdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum

0	8	60.00
1	7	60.00

chi2(1) = **0.214**
 Prob = **0.6434**

chi2(1) with ties = **0.222**
 Prob = **0.6374**

528 . kwallis IL8_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	49.00
1	7	71.00

chi2(1) = **3.013**
 Prob = **0.0826**

chi2(1) with ties = **3.013**
 Prob = **0.0826**

529 . kwallis IL10_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	67.00
1	7	53.00

chi2(1) = **0.121**
 Prob = **0.7285**

chi2(1) with ties = **0.121**
 Prob = **0.7285**

530 . kwallis IL6_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	62.00
1	7	58.00

chi2(1) = **0.054**
 Prob = **0.8170**

chi2(1) with ties = **0.054**
 Prob = **0.8170**

531 . kwallis TNFa_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	70.00
1	7	50.00

chi2(1) = **0.482**

Prob = **0.4875**

chi2(1) with ties = **0.482**
 Prob = **0.4875**

532 . kwallis IFNg_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	54.00
1	7	66.00

chi2(1) = **1.339**
 Prob = **0.2472**

chi2(1) with ties = **1.349**
 Prob = **0.2455**

533 . kwallis IL2_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	66.50
1	7	53.50

chi2(1) = **0.084**
 Prob = **0.7723**

chi2(1) with ties = **0.085**
 Prob = **0.7703**

534 . kwallis IL4_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	74.00
1	7	46.00

chi2(1) = **1.339**
 Prob = **0.2472**

chi2(1) with ties = **1.339**
 Prob = **0.2472**

535 . kwallis GMCSF_LPSdiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	59.00
1	7	61.00

chi2(1) = **0.335**
 Prob = **0.5628**

chi2(1) with ties = **0.337**
 Prob = **0.5614**


```
536 . kwallis IL8_polydiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	58.00
1	7	62.00

```
chi2(1) = 0.482
Prob = 0.4875
```

```
chi2(1) with ties = 0.482
Prob = 0.4875
```

```
537 . kwallis IL10_polydiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	64.00
1	7	56.00

```
chi2(1) = 0.000
Prob = 1.0000
```

```
chi2(1) with ties = 0.000
Prob = 1.0000
```

```
538 . kwallis IL6_polydiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	68.00
1	7	52.00

```
chi2(1) = 0.214
Prob = 0.6434
```

```
chi2(1) with ties = 0.214
Prob = 0.6434
```

```
539 . kwallis TNFa_polydiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	65.00
1	7	55.00

```
chi2(1) = 0.013
Prob = 0.9079
```

```
chi2(1) with ties = 0.013
Prob = 0.9079
```

```
540 . kwallis IFNg_polydiff2, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

MHIV	Obs	Rank sum
0	8	58.50
1	7	61.50

chi2(1) = 0.405
Prob = 0.5245

chi2(1) with ties = 0.407
Prob = 0.5237

541 . kwallis IL2_polydiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	59.50
1	7	60.50

chi2(1) = 0.271
Prob = 0.6025

chi2(1) with ties = 0.276
Prob = 0.5992

542 . kwallis IL4_polydiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	74.00
1	7	46.00

chi2(1) = 1.339
Prob = 0.2472

chi2(1) with ties = 1.339
Prob = 0.2472

543 . kwallis GMCSF_polydiff, by(MHIV)
GMCSF_polydiff ambiguous abbreviation
r(111);

end of do-file

r(111);

544 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

545 . kwallis GMCSF_polydiff2, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	8	53.50
1	7	66.50

chi2(1) = 1.477
Prob = 0.2243

chi2(1) with ties = 1.503
Prob = 0.2201

```
546 . kwallis IL8_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	120.00
1	11	111.00

```
chi2(1) = 0.496
Prob = 0.4813
```

```
chi2(1) with ties = 0.496
Prob = 0.4813
```

```
547 . kwallis IL10_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	131.50
1	11	99.50

```
chi2(1) = 2.292
Prob = 0.1300
```

```
chi2(1) with ties = 2.294
Prob = 0.1299
```

```
548 . kwallis IL6_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	120.00
1	11	111.00

```
chi2(1) = 0.496
Prob = 0.4813
```

```
chi2(1) with ties = 0.496
Prob = 0.4813
```

```
549 . kwallis TNFa_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	111.00
1	11	120.00

```
chi2(1) = 0.005
Prob = 0.9439
```

```
chi2(1) with ties = 0.005
Prob = 0.9439
```

```
550 . kwallis IFNg_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

|--|--|--|

MHIV	Obs	Rank sum
0	10	111.50
1	11	119.50

```
chi2(1) = 0.011
Prob = 0.9159
```

```
chi2(1) with ties = 0.011
Prob = 0.9158
```

```
551 . kwallis IL2_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	128.00
1	11	103.00

```
chi2(1) = 1.607
Prob = 0.2050
```

```
chi2(1) with ties = 1.667
Prob = 0.1966
```

```
552 . kwallis IL4_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	115.00
1	11	116.00

```
chi2(1) = 0.124
Prob = 0.7248
```

```
chi2(1) with ties = 0.124
Prob = 0.7248
```

```
553 . kwallis GMCSE_Cdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	122.00
1	11	109.00

```
chi2(1) = 0.714
Prob = 0.3981
```

```
chi2(1) with ties = 0.731
Prob = 0.3927
```

```
554 . kwallis IL8_LPSdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	136.00
1	11	95.00

```
chi2(1) = 3.352
Prob = 0.0671
```

```
chi2(1) with ties = 3.352
Prob = 0.0671
```

```
555 . kwallis IL10_LPSdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	105.00
1	11	126.00

```
chi2(1) = 0.124
Prob = 0.7248
```

```
chi2(1) with ties = 0.124
Prob = 0.7248
```

```
556 . kwallis IL6_LPSdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	120.00
1	11	111.00

```
chi2(1) = 0.496
Prob = 0.4813
```

```
chi2(1) with ties = 0.496
Prob = 0.4813
```

```
557 . kwallis TNFa_LPSdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	96.00
1	11	135.00

```
chi2(1) = 0.972
Prob = 0.3242
```

```
chi2(1) with ties = 0.972
Prob = 0.3242
```

```
558 . kwallis IFNg_LPSdiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	132.00
1	11	99.00

```
chi2(1) = 2.400
Prob = 0.1213
```

```
chi2(1) with ties = 2.405
```

Prob = **0.1210**

559 . kwallis IL2_LPSdiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	100.50
1	11	130.50

chi2(1) = **0.448**
Prob = **0.5035**

chi2(1) with ties = **0.473**
Prob = **0.4915**

560 . kwallis IL4_LPSdiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	117.00
1	11	114.00

chi2(1) = **0.243**
Prob = **0.6221**

chi2(1) with ties = **0.243**
Prob = **0.6221**

561 . kwallis GMCSF_LPSdiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	124.00
1	11	107.00

chi2(1) = **0.972**
Prob = **0.3242**

chi2(1) with ties = **0.974**
Prob = **0.3236**

562 . kwallis IL8_polydiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	120.00
1	11	111.00

chi2(1) = **0.496**
Prob = **0.4813**

chi2(1) with ties = **0.496**
Prob = **0.4813**

563 . kwallis IL10_polydiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	115.00
1	11	116.00

chi2(1) = **0.124**
 Prob = **0.7248**

chi2(1) with ties = **0.124**
 Prob = **0.7248**

564 . kwallis IL6_polydiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	112.00
1	11	119.00

chi2(1) = **0.020**
 Prob = **0.8880**

chi2(1) with ties = **0.020**
 Prob = **0.8880**

565 . kwallis TNFa_polydiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	107.00
1	11	124.00

chi2(1) = **0.045**
 Prob = **0.8327**

chi2(1) with ties = **0.045**
 Prob = **0.8327**

566 . kwallis IFNg_polydiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	132.00
1	11	99.00

chi2(1) = **2.400**
 Prob = **0.1213**

chi2(1) with ties = **2.416**
 Prob = **0.1201**

567 . kwallis IL2_polydiff3, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	95.00

1	11	136.00
---	----	--------

```
chi2(1) = 1.116
Prob = 0.2908
```

```
chi2(1) with ties = 1.180
Prob = 0.2773
```

```
568 . kwallis IL4_polydiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	106.00
1	11	125.00

```
chi2(1) = 0.079
Prob = 0.7782
```

```
chi2(1) with ties = 0.079
Prob = 0.7782
```

```
569 . kwallis GMCSF_polydiff3, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	114.50
1	11	116.50

```
chi2(1) = 0.100
Prob = 0.7513
```

```
chi2(1) with ties = 0.103
Prob = 0.7485
```

```
570 . kwallis IL8_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	111.00
1	11	120.00

```
chi2(1) = 0.005
Prob = 0.9439
```

```
chi2(1) with ties = 0.005
Prob = 0.9439
```

```
571 . kwallis IL10_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	104.00
1	11	127.00

```
chi2(1) = 0.179
Prob = 0.6727
```



```
chi2(1) with ties = 0.179
Prob = 0.6727
```

```
572 . kwallis IL6_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	121.00
1	11	110.00

```
chi2(1) = 0.600
Prob = 0.4386
```

```
chi2(1) with ties = 0.600
Prob = 0.4386
```

```
573 . kwallis TNFa_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	99.50
1	11	131.50

```
chi2(1) = 0.547
Prob = 0.4597
```

```
chi2(1) with ties = 0.547
Prob = 0.4595
```

```
574 . kwallis IFNg_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	104.00
1	11	127.00

```
chi2(1) = 0.179
Prob = 0.6727
```

```
chi2(1) with ties = 0.179
Prob = 0.6720
```

```
575 . kwallis IL2_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	137.00
1	11	94.00

```
chi2(1) = 3.615
Prob = 0.0573
```

```
chi2(1) with ties = 3.823
Prob = 0.0505
```

```
576 . kwallis IL4_Cdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	119.00
1	11	112.00

chi2(1) = **0.402**
 Prob = **0.5262**

chi2(1) with ties = **0.402**
 Prob = **0.5262**

577 . kwallis GMCSE_Cdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	136.00
1	11	95.00

chi2(1) = **3.352**
 Prob = **0.0671**

chi2(1) with ties = **3.430**
 Prob = **0.0640**

578 . kwallis IL8_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	113.00
1	11	118.00

chi2(1) = **0.045**
 Prob = **0.8327**

chi2(1) with ties = **0.045**
 Prob = **0.8327**

579 . kwallis IL10_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	117.00
1	11	114.00

chi2(1) = **0.243**
 Prob = **0.6221**

chi2(1) with ties = **0.243**
 Prob = **0.6221**

580 . kwallis IL6_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
------	-----	----------

0	10	121.00
1	11	110.00

chi2(1) = **0.600**
 Prob = **0.4386**

chi2(1) with ties = **0.600**
 Prob = **0.4386**

581 . kwallis TNFa_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	105.00
1	11	126.00

chi2(1) = **0.124**
 Prob = **0.7248**

chi2(1) with ties = **0.124**
 Prob = **0.7248**

582 . kwallis IFNg_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	131.00
1	11	100.00

chi2(1) = **2.187**
 Prob = **0.1392**

chi2(1) with ties = **2.204**
 Prob = **0.1377**

583 . kwallis IL2_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	111.00
1	11	120.00

chi2(1) = **0.005**
 Prob = **0.9439**

chi2(1) with ties = **0.005**
 Prob = **0.9428**

584 . kwallis IL4_LPSdiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	123.00
1	11	108.00

```
chi2(1) = 0.838
Prob = 0.3600
```

```
chi2(1) with ties = 0.838
Prob = 0.3600
```

```
585 . kwallis GMCSF_LPSdiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	122.00
1	11	109.00

```
chi2(1) = 0.714
Prob = 0.3981
```

```
chi2(1) with ties = 0.714
Prob = 0.3981
```

```
586 . kwallis IL8_polydiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	138.00
1	11	93.00

```
chi2(1) = 3.888
Prob = 0.0486
```

```
chi2(1) with ties = 3.888
Prob = 0.0486
```

```
587 . kwallis IL10_polydiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	118.00
1	11	113.00

```
chi2(1) = 0.317
Prob = 0.5732
```

```
chi2(1) with ties = 0.317
Prob = 0.5732
```

```
588 . kwallis IL6_polydiff4, by(MHIV)
```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	124.00
1	11	107.00

```
chi2(1) = 0.972
Prob = 0.3242
```

```
chi2(1) with ties = 0.972
Prob = 0.3242
```

```

589 . kwallis TNFa_polydif4, by(MHIV)
variable TNFa_polydif4 not found
r(111);

end of do-file

r(111);

590 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

591 . kwallis TNFa_polydiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

```

MHIV	Obs	Rank sum
0	10	116.00
1	11	115.00

```

chi2(1) = 0.179
Prob = 0.6727

```

```

chi2(1) with ties = 0.179
Prob = 0.6727

```

```

592 . kwallis IFNg_polydiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

```

MHIV	Obs	Rank sum
0	10	132.00
1	11	99.00

```

chi2(1) = 2.400
Prob = 0.1213

```

```

chi2(1) with ties = 2.433
Prob = 0.1188

```

```

593 . kwallis IL2_polydiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

```

MHIV	Obs	Rank sum
0	10	129.00
1	11	102.00

```

chi2(1) = 1.790
Prob = 0.1809

```

```

chi2(1) with ties = 1.858
Prob = 0.1729

```

```

594 . kwallis IL4_polydiff,4 by(MHIV)
IL4_polydiff ambiguous abbreviation
r(111);

end of do-file

r(111);

595 . do "/var/folders/31/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

596 . kwallis IL4_polydiff4, by(MHIV)

```

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	113.00
1	11	118.00

chi2(1) = **0.045**
 Prob = **0.8327**

chi2(1) with ties = **0.045**
 Prob = **0.8327**

597 . kwallis GMCSF_polydiff4, by(MHIV)

Kruskal-Wallis equality-of-populations rank test

MHIV	Obs	Rank sum
0	10	133.00
1	11	98.00

chi2(1) = **2.623**
 Prob = **0.1053**

chi2(1) with ties = **2.630**
 Prob = **0.1049**

598 .
 end of do-file

599 . do "/var/folders/3l/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

600 . *Create quartiles of all the cytokine variables

601 . xtile xIL8_C0 = IL8_C0, nquantiles(4)

602 . xtile xIL10_C0 = IL10_C0, nquantiles(4)

603 . xtile xIL6_C0 = IL6_C0, nquantiles(4)

604 . xtile xTNFa_C0 = TNFa_C0, nquantiles(4)

605 . xtile xIFNg_C0 = IFNg_C0, nquantiles(4)

606 . xtile xIL2_C0 = IL2_C0, nquantiles(4)

607 . xtile xIL4_C0 = IL4_C0, nquantiles(4)

608 . xtile xGMCSF_C0 = GMCSF_C0, nquantiles(4)

609 . xtile xIL8_C10 = IL8_C10, nquantiles(4)

610 . xtile xIL10_C10 = IL10_C10, nquantiles(4)

611 . xtile xIL6_C10 = IL6_C10, nquantiles(4)

612 . xtile xTNFa_C10 = TNFa_C10, nquantiles(4)

613 . xtile xIFNg_C10 = IFNg_C10, nquantiles(4)

614 . xtile xIL2_C10 = IL2_C10, nquantiles(4)

615 . xtile xIL4_C10 = IL4_C10, nquantiles(4)

616 . xtile xGMCSF_C10 = GMCSF_C10, nquantiles(4)

617 . xtile xIL8_C6 = IL8_C6, nquantiles(4)

```

618 . xtile xIL10_C6 = IL10_C6, nquantiles(4)

619 . xtile xIL6_C6 = IL6_C6, nquantiles(4)

620 . xtile xTNFa_C6 = TNFa_C6, nquantiles(4)

621 . xtile xIFNg_C6 = IFNg_C6, nquantiles(4)

622 . xtile xIL2_C6 = IL2_C6, nquantiles(4)

623 . xtile xIL4_C6 = IL4_C6, nquantiles(4)

624 . xtile xGMCSF_C6 = GMCSF_C6, nquantiles(4)

625 . xtile xIL8_C12 = IL8_C12, nquantiles(4)

626 . xtile xIL10_C12 = IL10_C12, nquantiles(4)

627 . xtile xIL6_C12 = IL6_C12, nquantiles(4)

628 . xtile xTNFa_C12 = TNFa_C12, nquantiles(4)

629 . xtile xIFNg_C12 = IFNg_C12, nquantiles(4)

630 . xtile xIL2_C12 = IL2_C12, nquantiles(4)

631 . xtile xIL4_C12 = IL4_C12, nquantiles(4)

632 . xtile xGMCSF_C12 = GMCSF_C12, nquantiles(4)

633 .
    end of do-file

634 . do "/var/folders/31/x9ydzjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

635 . *Test for differences between HEU and HUU
636 . tab2 MHIV xIL8_C0, exact

```

-> tabulation of MHIV by xIL8_C0

Enumerating sample-space combinations:

```

stage 4: enumerations = 1
stage 3: enumerations = 0
stage 2: enumerations = 0
stage 1: enumerations = 0

```

M HIV	4 quantiles of IL8_C0				Total
	1	2	3	4	
0	3	2	3	2	10
1	3	3	2	3	11
Total	6	5	5	5	21

Fisher's exact = 1.000

```

637 . tab2 MHIV xIL10_C0, exact

```

-> tabulation of MHIV by xIL10_C0

Enumerating sample-space combinations:

```

stage 4: enumerations = 1
stage 3: enumerations = 3
stage 2: enumerations = 6
stage 1: enumerations = 0

```

M HIV	4 quantiles of IL10_C0				Total
	1	2	3	4	
0	3	1	5	1	10
1	4	3	1	3	11
Total	7	4	6	4	21

Fisher's exact = 0.266

638 . tab2 MHIV xIL6_C0, exact

-> tabulation of MHIV by xIL6_C0

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 0

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of IL6_C0				Total
	1	2	3	4	
0	3	4	1	2	10
1	3	3	2	3	11
Total	6	7	3	5	21

Fisher's exact = 1.000

639 . tab2 MHIV xTNFa_C0, exact

-> tabulation of MHIV by xTNFa_C0

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of TNFa_C0				Total
	1	2	3	4	
0	2	3	2	3	10
1	4	2	3	2	11
Total	6	5	5	5	21

Fisher's exact = 0.830

640 . tab2 MHIV xIFNg_C0, exact

-> tabulation of MHIV by xIFNg_C0

M HIV	4 quantiles of IFNg_C0	Total
	1	
0	10	10
1	11	11
Total	21	21

641 . tab2 MHIV xIL2_C0, exact

-> tabulation of MHIV by xIL2_C0

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of IL2_C0			Total
	1	2	3	
0	3	3	4	10
1	3	2	6	11
Total	6	5	10	21

Fisher's exact = **0.857**

642 . tab2 MHIV xIL4_C0, exact

-> tabulation of MHIV by xIL4_C0

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of IL4_C0				Total
	1	2	3	4	
0	5	2	1	2	10
1	3	1	4	3	11
Total	8	3	5	5	21

Fisher's exact = **0.571**

643 . tab2 MHIV xGMCSF_C0, exact

-> tabulation of MHIV by xGMCSF_C0

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

M HIV	4 quantiles of GMCSF_C0			Total
	1	2	3	
0	4	2	4	10
1	2	3	6	11
Total	6	5	10	21

Fisher's exact = **0.631**

644 . tab2 MHIV xIL8_C10, exact

-> tabulation of MHIV by xIL8_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 7

stage 1: enumerations = 0

M HIV	4 quantiles of IL8_C10				Total
	1	2	3	4	
0	3	3	2	0	8
1	1	1	2	3	7
Total	4	4	4	3	15

Fisher's exact = **0.273**

645 . tab2 MHIV xIL10_C10, exact

-> tabulation of MHIV by xIL10_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 7

stage 1: enumerations = 0

| 4 quantiles of IL10_C10

M HIV	1	2	3	4	Total
0	3	3	2	0	8
1	1	1	2	3	7
Total	4	4	4	3	15

Fisher's exact = 0.273

646 . tab2 MHIV xIL6_C10, exact

-> tabulation of MHIV by xIL6_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 7

stage 1: enumerations = 0

M HIV	4 quantiles of IL6_C10				Total
	1	2	3	4	
0	3	2	3	0	8
1	1	2	1	3	7
Total	4	4	4	3	15

Fisher's exact = 0.273

647 . tab2 MHIV xTNFa_C10, exact

-> tabulation of MHIV by xTNFa_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 4

stage 2: enumerations = 9

stage 1: enumerations = 0

M HIV	4 quantiles of TNFa_C10				Total
	1	2	3	4	
0	2	4	2	0	8
1	2	0	2	3	7
Total	4	4	4	3	15

Fisher's exact = 0.086

648 . tab2 MHIV xIFNg_C10, exact

-> tabulation of MHIV by xIFNg_C10

M HIV	4 quantiles of IFNg_C10		Total
	1	4	
0	7	1	8
1	7	0	7
Total	14	1	15

Fisher's exact = 1.000

1-sided Fisher's exact = 0.533

649 . tab2 MHIV xIL2_C10, exact

-> tabulation of MHIV by xIL2_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 5

stage 1: enumerations = 0

M HIV	4 quantiles of IL2_C10				Total
	1	2	3	4	
0	1	1	5	1	8
1	3	3	1	0	7
Total	4	4	6	1	15

Fisher's exact = 0.175

650 . tab2 MHIV xIL4_C10, exact

-> tabulation of MHIV by xIL4_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 0

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of IL4_C10				Total
	1	2	3	4	
0	2	2	2	2	8
1	3	1	2	1	7
Total	5	3	4	3	15

Fisher's exact = 1.000

651 . tab2 MHIV xGMCSF_C10, exact

-> tabulation of MHIV by xGMCSF_C10

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 6

stage 1: enumerations = 0

M HIV	4 quantiles of GMCSF_C10				Total
	1	2	3	4	
0	4	0	3	1	8
1	1	3	2	1	7
Total	5	3	5	2	15

Fisher's exact = 0.223

652 . tab2 MHIV xIL8_C6, exact

-> tabulation of MHIV by xIL8_C6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of IL8_C6				Total
	1	2	3	4	
0	4	2	3	1	10
1	2	3	2	4	11
Total	6	5	5	5	21

Fisher's exact = 0.575

653 . tab2 MHIV xIL10_C6, exact

-> tabulation of MHIV by xIL10_C6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 0

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of IL10_C6				Total
	1	2	3	4	
0	3	3	2	2	10
1	3	2	3	3	11
Total	6	5	5	5	21

Fisher's exact = 1.000

654 . tab2 MHIV xIL6_C6, exact

-> tabulation of MHIV by xIL6_C6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of IL6_C6				Total
	1	2	3	4	
0	2	4	2	2	10
1	4	1	3	3	11
Total	6	5	5	5	21

Fisher's exact = 0.575

655 . tab2 MHIV xTNFa_C6, exact

-> tabulation of MHIV by xTNFa_C6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 0

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of TNFa_C6				Total
	1	2	3	4	
0	3	3	2	2	10
1	3	2	3	3	11
Total	6	5	5	5	21

Fisher's exact = 1.000

656 . tab2 MHIV xIFNg_C6, exact

-> tabulation of MHIV by xIFNg_C6

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

M HIV	4 quantiles of IFNg_C6			Total
	1	2	4	
0	4	5	1	10
1	2	7	2	11

Total	6	12	3	21
-------	---	----	---	----

Fisher's exact = 0.590

657 . tab2 MHIV xIL2_C6, exact

-> tabulation of MHIV by xIL2_C6

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of IL2_C6			Total
	1	2	3	
0	3	2	5	10
1	3	3	5	11
Total	6	5	10	21

Fisher's exact = 1.000

658 . tab2 MHIV xIL4_C6, exact

-> tabulation of MHIV by xIL4_C6

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 6

stage 2: enumerations = 12

stage 1: enumerations = 0

M HIV	4 quantiles of IL4_C6				Total
	1	2	3	4	
0	0	3	3	4	10
1	6	2	2	1	11
Total	6	5	5	5	21

Fisher's exact = 0.035

659 . tab2 MHIV xGMCSF_C6, exact

-> tabulation of MHIV by xGMCSF_C6

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

M HIV	4 quantiles of GMCSF_C6			Total
	1	2	4	
0	2	6	2	10
1	4	4	3	11
Total	6	10	5	21

Fisher's exact = 0.631

660 . tab2 MHIV xIL8_C12, exact

-> tabulation of MHIV by xIL8_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of IL8_C12				Total
	1	2	3	4	
0	2	3	2	3	10
1	4	2	3	2	11
Total	6	5	5	5	21

Fisher's exact = 0.830

661 . tab2 MHIV xIL10_C12, exact

-> tabulation of MHIV by xIL10_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

M HIV	4 quantiles of IL10_C12				Total
	1	2	3	4	
0	4	1	2	3	10
1	3	3	3	2	11
Total	7	4	5	5	21

Fisher's exact = 0.821

662 . tab2 MHIV xIL6_C12, exact

-> tabulation of MHIV by xIL6_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of IL6_C12				Total
	1	2	3	4	
0	2	3	3	2	10
1	4	2	2	3	11
Total	6	5	5	5	21

Fisher's exact = 0.830

663 . tab2 MHIV xTNFa_C12, exact

-> tabulation of MHIV by xTNFa_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 3

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of TNFa_C12				Total
	1	2	3	4	
0	4	3	2	1	10
1	2	2	3	4	11
Total	6	5	5	5	21

Fisher's exact = 0.575

664 . tab2 MHIV xIFNg_C12, exact

-> tabulation of MHIV by xIFNg_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 0

stage 2: enumerations = 0

stage 1: enumerations = 0

M HIV	4 quantiles of IFNg_C12				Total
	1	2	3	4	
0	3	3	2	2	10
1	3	3	2	3	11
Total	6	6	4	5	21

Fisher's exact = 1.000

665 . tab2 MHIV xIL2_C12, exact

-> tabulation of MHIV by xIL2_C12

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

M HIV	4 quantiles of IL2_C12			Total
	1	2	3	
0	2	3	5	10
1	4	2	5	11
Total	6	5	10	21

Fisher's exact = 0.738

666 . tab2 MHIV xIL4_C12, exact

-> tabulation of MHIV by xIL4_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 1

stage 1: enumerations = 0

M HIV	4 quantiles of IL4_C12				Total
	1	2	3	4	
0	2	3	3	2	10
1	4	2	2	3	11
Total	6	5	5	5	21

Fisher's exact = 0.830

667 . tab2 MHIV xGMCSF_C12, exact

-> tabulation of MHIV by xGMCSF_C12

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 2

stage 2: enumerations = 3

stage 1: enumerations = 0

M HIV	4 quantiles of GMCSF_C12				Total
	1	2	3	4	
0	3	2	3	2	10
1	3	3	5	0	11
Total	6	5	8	2	21

Fisher's exact = **0.663**

```

668 .
    end of do-file

669 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

670 . *Now look at differences at different time points
671 . *0 Weeks versus 10 weeks
672 . bysort MHIV: signrank IL8_C0 = IL8_C10

```

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	33	18
Negative	1	3	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_C0 = IL8_C10

z = **2.100**

Prob > |z| = **0.0357**

Exact prob = **0.0391**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	20	14
Negative	2	8	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_C0 = IL8_C10

z = **1.014**

Prob > |z| = **0.3105**

Exact prob = **0.3750**

```

673 . bysort MHIV: signrank IL10_C0 = IL10_C10

```

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	14	17.5
Negative	4	21	17.5
Zero	1	1	1

All	8	36	36
-----	---	----	----

Unadjusted variance	51.00
Adjustment for ties	0.00
Adjustment for zeros	-0.25

Adjusted variance	50.75
-------------------	-------

H0: IL10_C0 = IL10_C10

z = -0.491

Prob > |z| = 0.6232

Exact prob = 0.6875

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	14
Negative	5	19	14
Zero	0	0	0
All	7	28	28

Unadjusted variance	35.00
---------------------	-------

Adjustment for ties	0.00
---------------------	------

Adjustment for zeros	0.00
----------------------	------

Adjusted variance	35.00
-------------------	-------

H0: IL10_C0 = IL10_C10

z = -0.845

Prob > |z| = 0.3980

Exact prob = 0.4688

674 . bysort MHIV: signrank IL6_C0 = IL6_C10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	25	18
Negative	2	11	18
Zero	0	0	0
All	8	36	36

Unadjusted variance	51.00
---------------------	-------

Adjustment for ties	0.00
---------------------	------

Adjustment for zeros	0.00
----------------------	------

Adjusted variance	51.00
-------------------	-------

H0: IL6_C0 = IL6_C10

z = 0.980

Prob > |z| = 0.3270

Exact prob = 0.3828

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	14
Negative	4	18	14
Zero	0	0	0

All	7	28	28
-----	---	----	----

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_C0 = IL6_C10

z = **-0.676**

Prob > |z| = **0.4990**

Exact prob = **0.5781**

675 . bysort MHIV: signrank TNFa_C0 = TNFa_C10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	22	18
Negative	4	14	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_C0 = TNFa_C10

z = **0.560**

Prob > |z| = **0.5754**

Exact prob = **0.6406**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	12	13.5
Negative	3	15	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: TNFa_C0 = TNFa_C10

z = **-0.254**

Prob > |z| = **0.7991**

Exact prob = **0.8750**

676 . bysort MHIV: signrank IFNg_C0 = IFNg_C10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	3	15	15
Negative	2	15	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IFNg_C0 = IFNg_C10
 z = **0.000**
 Prob > |z| = **1.0000**
 Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	0	0	3.5
Negative	1	7	3.5
Zero	6	21	21
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-22.75**

Adjusted variance **12.25**

H0: IFNg_C0 = IFNg_C10
 z = **-1.000**
 Prob > |z| = **0.3173**
 Exact prob = **1.0000**

677 . bysort MHIV: signrank IL2_C0 = IL2_C10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	15
Negative	3	20	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_C0 = IL2_C10
 z = **-0.725**
 Prob > |z| = **0.4682**
 Exact prob = **0.5000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	5	21	13.5
Negative	1	6	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL2_C0 = IL2_C10

z = **1.272**

Prob > |z| = **0.2033**

Exact prob = **0.2500**

678 . bysort MHIV: signrank IL4_C0 = IL4_C10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	17	17.5
Negative	4	18	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IL4_C0 = IL4_C10

z = **-0.070**

Prob > |z| = **0.9440**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	21	13.5
Negative	1	6	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL4_C0 = IL4_C10

z = **1.272**

Prob > |z| = **0.2033**

Exact prob = **0.2500**

679 . bysort MHIV: signrank GMCSF_C0 = GMCSF_C10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	12	15
Negative	3	18	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_C0 = GMCSF_C10

z = **-0.435**Prob > |z| = **0.6634**Exact prob = **0.7500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	13.5
Negative	4	17	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_C0 = GMCSF_C10

z = **-0.594**Prob > |z| = **0.5527**Exact prob = **0.6250**

680 . bysort MHIV: signrank IL8_LPS0 = IL8_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	22	18
Negative	3	14	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_LPS0 = IL8_LPS10

z = **0.560**Prob > |z| = **0.5754**Exact prob = **0.6406**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	20	14
Negative	2	8	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**
 Adjusted variance **35.00**

H0: IL8_LPS0 = IL8_LPS10

z = **1.014**Prob > |z| = **0.3105**Exact prob = **0.3750**

681 . bysort MHIV: signrank IL10_LPS0 = IL10_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	23	18
Negative	3	13	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**
 Adjusted variance **51.00**

H0: IL10_LPS0 = IL10_LPS10

z = **0.700**Prob > |z| = **0.4838**Exact prob = **0.5469**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	21	14
Negative	2	7	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**
 Adjusted variance **35.00**

H0: IL10_LPS0 = IL10_LPS10

z = **1.183**Prob > |z| = **0.2367**Exact prob = **0.2969**

682 . bysort MHIV: signrank IL6_LPS0 = IL6_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	18
Negative	5	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: IL6_LPS0 = IL6_LPS10
 $z = -1.120$
 Prob > |z| = **0.2626**
 Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	16	14
Negative	3	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **35.00**

H0: IL6_LPS0 = IL6_LPS10
 $z = 0.338$
 Prob > |z| = **0.7353**
 Exact prob = **0.8125**

683 . bysort MHIV: signrank TNFa_LPS0 = TNFa_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	14	18
Negative	5	22	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: TNFa_LPS0 = TNFa_LPS10
 $z = -0.560$
 Prob > |z| = **0.5754**

Exact prob = **0.6406**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	13	14
Negative	3	15	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_LPS0 = TNFa_LPS10

z = **-0.169**

Prob > |z| = **0.8658**

Exact prob = **0.9375**

684 . bysort MHIV: signrank IFNg_LPS0 = IFNg_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	27	17.5
Negative	1	8	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IFNg_LPS0 = IFNg_LPS10

z = **1.334**

Prob > |z| = **0.1824**

Exact prob = **0.2188**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	21.5	12.5
Negative	1	3.5	12.5
Zero	2	3	3
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-1.25**

Adjusted variance **33.62**

H0: IFNg_LPS0 = IFNg_LPS10

z = **1.552**

Prob > |z| = **0.1206**

Exact prob = **0.1875**

685 . bysort MHIV: signrank IL2_LPS0 = IL2_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	5	13
Negative	3	21	13
Zero	4	10	10
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-7.50**

Adjusted variance **43.50**

H0: IL2_LPS0 = IL2_LPS10

z = **-1.213**

Prob > |z| = **0.2251**

Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	8	12.5
Negative	3	17	12.5
Zero	2	3	3
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-1.25**

Adjusted variance **33.75**

H0: IL2_LPS0 = IL2_LPS10

z = **-0.775**

Prob > |z| = **0.4386**

Exact prob = **0.5000**

686 . bysort MHIV: signrank IL4_LPS0 = IL4_LPS10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	17.5
Negative	3	16	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **50.75**

```

H0: IL4_LPS0 = IL4_LPS10
      z = 0.211
Prob > |z| = 0.8332
Exact prob = 0.8906

```

```

-> MHIV = 1

```

```

Wilcoxon signed-rank test

```

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros     -0.25

```

```

Adjusted variance      34.75

```

```

H0: IL4_LPS0 = IL4_LPS10
      z = 0.933
Prob > |z| = 0.3508
Exact prob = 0.4062

```

```

687 . bysort MHIV: signrank GMCSF_LPS0 = GMCSF_LPS10

```

```

-> MHIV = 0

```

```

Wilcoxon signed-rank test

```

Sign	Obs	Sum ranks	Expected
Positive	1	6	16.5
Negative	5	27	16.5
Zero	2	3	3
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros     -1.25

```

```

Adjusted variance      49.75

```

```

H0: GMCSF_LPS0 = GMCSF_LPS10
      z = -1.489
Prob > |z| = 0.1366
Exact prob = 0.1562

```

```

-> MHIV = 1

```

```

Wilcoxon signed-rank test

```

Sign	Obs	Sum ranks	Expected
Positive	4	13	14
Negative	3	15	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

Adjusted variance **35.00**

H0: GMCSF_LPS0 = GMCSF_LPS10

z = **-0.169**

Prob > |z| = **0.8658**

Exact prob = **0.9375**

688 . bysort MHIV: signrank IL8_poly0 = IL8_poly10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	31	18
Negative	1	5	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_poly0 = IL8_poly10

z = **1.820**

Prob > |z| = **0.0687**

Exact prob = **0.0781**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	20	14
Negative	2	8	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_poly0 = IL8_poly10

z = **1.014**

Prob > |z| = **0.3105**

Exact prob = **0.3750**

689 . bysort MHIV: signrank IL10_poly0 = IL10_poly10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	16	17.5
Negative	3	19	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IL10_poly0 = IL10_poly10

z = **-0.211**

Prob > |z| = **0.8332**

Exact prob = **0.8906**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	15	14
Negative	4	13	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL10_poly0 = IL10_poly10

z = **0.169**

Prob > |z| = **0.8658**

Exact prob = **0.9375**

690 . bysort MHIV: signrank IL6_poly0 = IL6_poly10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	18	18
Negative	4	18	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_poly0 = IL6_poly10

z = **0.000**

Prob > |z| = **1.0000**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	13	14
Negative	4	15	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      35.00
```

```
H0: IL6_poly0 = IL6_poly10
```

```
z = -0.169
```

```
Prob > |z| = 0.8658
```

```
Exact prob = 0.9375
```

```
691 . bysort MHIV: signrank TNFa_poly0 = TNFa_poly10
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	14	18
Negative	5	22	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance      51.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      51.00
```

```
H0: TNFa_poly0 = TNFa_poly10
```

```
z = -0.560
```

```
Prob > |z| = 0.5754
```

```
Exact prob = 0.6406
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	13	14
Negative	4	15	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance      35.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      35.00
```

```
H0: TNFa_poly0 = TNFa_poly10
```

```
z = -0.169
```

```
Prob > |z| = 0.8658
```

```
Exact prob = 0.9375
```

```
692 . bysort MHIV: signrank IFNg_poly0 = IFNg_poly10
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	15	15
Negative	2	15	15
Zero	3	6	6

All	8	36	36
-----	---	----	----

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IFNg_poly0 = IFNg_poly10

z = **0.000**

Prob > |z| = **1.0000**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	11
Negative	1	6	11
Zero	3	6	6
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **31.50**

H0: IFNg_poly0 = IFNg_poly10

z = **0.891**

Prob > |z| = **0.3730**

Exact prob = **0.5000**

693 . bysort MHIV: signrank IL2_poly0 = IL2_poly10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	15
Negative	3	20	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_poly0 = IL2_poly10

z = **-0.725**

Prob > |z| = **0.4682**

Exact prob = **0.5000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	22	12.5
Negative	1	3	12.5

Zero	2	3	3
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **33.75**

H0: IL2_poly0 = IL2_poly10

z = **1.635**

Prob > |z| = **0.1020**

Exact prob = **0.1250**

694 . bysort MHIV: signrank IL4_poly0 = IL4_poly10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	18	18
Negative	4	18	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_poly0 = IL4_poly10

z = **0.000**

Prob > |z| = **1.0000**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL4_poly0 = IL4_poly10

z = **0.933**

Prob > |z| = **0.3508**

Exact prob = **0.4062**

695 . bysort MHIV: signrank GMCSF_poly0 = GMCSF_poly10

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	2	6	17.5
Negative	5	29	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: GMCSF_poly0 = GMCSF_poly10

z = **-1.614**

Prob > |z| = **0.1065**

Exact prob = **0.1250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	13.5
Negative	3	11	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_poly0 = GMCSF_poly10

z = **0.424**

Prob > |z| = **0.6715**

Exact prob = **0.7500**

696 .

end of do-file

697 . do "/var/folders/3l/x9ydyjz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

698 . *10 Weeks versus 6 months

699 . bysort MHIV: signrank IL8_C10 = IL8_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	9	18
Negative	5	27	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_C10 = IL8_C6

z = **-1.260**

Prob > |z| = **0.2076**

Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	11	14
Negative	4	17	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_C10 = IL8_C6

z = **-0.507**

Prob > |z| = **0.6121**

Exact prob = **0.6875**

700 . bysort MHIV: signrank IL10_C10 = IL10_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	17.5
Negative	4	19	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IL10_C10 = IL10_C6

z = **-0.211**

Prob > |z| = **0.8332**

Exact prob = **0.8906**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	11	14
Negative	4	17	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL10_C10 = IL10_C6

z = **-0.507**

Prob > |z| = **0.6121**

Exact prob = **0.6875**

701 . bysort MHIV: signrank IL6_C10 = IL6_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	5	18
Negative	6	31	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_C10 = IL6_C6

z = **-1.820**

Prob > |z| = **0.0687**

Exact prob = **0.0781**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	11	14
Negative	4	17	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_C10 = IL6_C6

z = **-0.507**

Prob > |z| = **0.6121**

Exact prob = **0.6875**

702 . bysort MHIV: signrank TNFa_C10 = TNFa_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	18
Negative	5	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

```

H0: TNFa_C10 = TNFa_C6
    z = -1.120
Prob > |z| = 0.2626
Exact prob = 0.3125

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	12	14
Negative	4	16	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance    35.00
Adjustment for ties    0.00
Adjustment for zeros   0.00
-----
Adjusted variance      35.00

```

```

H0: TNFa_C10 = TNFa_C6
    z = -0.338
Prob > |z| = 0.7353
Exact prob = 0.8125

```

```
703 . bysort MHIV: signrank IFNg_C10 = IFNg_C6
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	17.5	15
Negative	2	12.5	15
Zero	3	6	6
All	8	36	36

```

Unadjusted variance    51.00
Adjustment for ties    -0.12
Adjustment for zeros   -3.50
-----
Adjusted variance      47.38

```

```

H0: IFNg_C10 = IFNg_C6
    z = 0.363
Prob > |z| = 0.7164
Exact prob = 0.8125

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	22	12.5
Negative	1	3	12.5
Zero	2	3	3
All	7	28	28

```

Unadjusted variance    35.00
Adjustment for ties    -0.12
Adjustment for zeros   -1.25
-----
Adjusted variance      33.62

```

```

H0: IFNg_C10 = IFNg_C6
      z = 1.638
Prob > |z| = 0.1014
Exact prob = 0.1250

```

```
704 . bysort MHIV: signrank IL2_C10 = IL2_C6
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	8	13
Negative	3	18	13
Zero	4	10	10
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros     -7.50
-----
Adjusted variance       43.50

```

```

H0: IL2_C10 = IL2_C6
      z = -0.758
Prob > |z| = 0.4484
Exact prob = 0.6250

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	10	13.5
Negative	3	17	13.5
Zero	1	1	1
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros     -0.25
-----
Adjusted variance       34.75

```

```

H0: IL2_C10 = IL2_C6
      z = -0.594
Prob > |z| = 0.5527
Exact prob = 0.6250

```

```
705 . bysort MHIV: signrank IL4_C10 = IL4_C6
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	4	18
Negative	7	32	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00

```

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_C10 = IL4_C6

z = **-1.960**

Prob > |z| = **0.0499**

Exact prob = **0.0547**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	6	13.5
Negative	4	21	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL4_C10 = IL4_C6

z = **-1.272**

Prob > |z| = **0.2033**

Exact prob = **0.2500**

706 . bysort MHIV: signrank GMCSF_C10 = GMCSF_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	8	15
Negative	4	22	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_C10 = GMCSF_C6

z = **-1.016**

Prob > |z| = **0.3098**

Exact prob = **0.3750**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	12.5
Negative	4	21	12.5
Zero	2	3	3
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **33.75**

H0: GMCSF_C10 = GMCSF_C6

z = **-1.463**

Prob > |z| = **0.1434**

Exact prob = **0.1875**

707 . bysort MHIV: signrank IL8_LPS10 = IL8_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	17	18
Negative	4	19	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_LPS10 = IL8_LPS6

z = **-0.140**

Prob > |z| = **0.8886**

Exact prob = **0.9453**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	1	14
Negative	6	27	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_LPS10 = IL8_LPS6

z = **-2.197**

Prob > |z| = **0.0280**

Exact prob = **0.0312**

708 . bysort MHIV: signrank IL10_LPS10 = IL10_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	12	18
Negative	4	24	18
Zero	0	0	0

All	8	36	36
-----	---	----	----

Unadjusted variance	51.00
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	51.00
-------------------	-------

H0: IL10_LPS10 = IL10_LPS6

z = -0.840

Prob > |z| = 0.4008

Exact prob = 0.4609

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	12	14
Negative	4	16	14
Zero	0	0	0
All	7	28	28

Unadjusted variance	35.00
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	35.00
-------------------	-------

H0: IL10_LPS10 = IL10_LPS6

z = -0.338

Prob > |z| = 0.7353

Exact prob = 0.8125

709 . bysort MHIV: signrank IL6_LPS10 = IL6_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	21	18
Negative	3	15	18
Zero	0	0	0
All	8	36	36

Unadjusted variance	51.00
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	51.00
-------------------	-------

H0: IL6_LPS10 = IL6_LPS6

z = 0.420

Prob > |z| = 0.6744

Exact prob = 0.7422

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	13	14
Negative	3	15	14
Zero	0	0	0

All	7	28	28
-----	---	----	----

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_LPS10 = IL6_LPS6

z = **-0.169**

Prob > |z| = **0.8658**

Exact prob = **0.9375**

710 . bysort MHIV: signrank TNFa_LPS10 = TNFa_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	7	18
Negative	7	29	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_LPS10 = TNFa_LPS6

z = **-1.540**

Prob > |z| = **0.1235**

Exact prob = **0.1484**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	14	14
Negative	3	14	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_LPS10 = TNFa_LPS6

z = **0.000**

Prob > |z| = **1.0000**

Exact prob = **1.0000**

711 . bysort MHIV: signrank IFNg_LPS10 = IFNg_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	4	20	16.5
Negative	2	13	16.5
Zero	2	3	3
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **49.75**

H0: IFNg_LPS10 = IFNg_LPS6

z = **0.496**

Prob > |z| = **0.6197**

Exact prob = **0.6875**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	13.5
Negative	5	23	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IFNg_LPS10 = IFNg_LPS6

z = **-1.612**

Prob > |z| = **0.1071**

Exact prob = **0.1250**

712 . bysort MHIV: signrank IL2_LPS10 = IL2_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	18	15
Negative	2	12	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_LPS10 = IL2_LPS6

z = **0.435**

Prob > |z| = **0.6634**

Exact prob = **0.7500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	4	19.5	13.5
Negative	2	7.5	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-0.25**

Adjusted variance **34.62**

H0: IL2_LPS10 = IL2_LPS6

z = **1.020**

Prob > |z| = **0.3079**

Exact prob = **0.3750**

713 . bysort MHIV: signrank IL4_LPS10 = IL4_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	3	18
Negative	7	33	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_LPS10 = IL4_LPS6

z = **-2.100**

Prob > |z| = **0.0357**

Exact prob = **0.0391**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	5	13.5
Negative	4	22	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL4_LPS10 = IL4_LPS6

z = **-1.442**

Prob > |z| = **0.1493**

Exact prob = **0.1875**

714 . bysort MHIV: signrank GMCSF_LPS10 = GMCSF_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	19	16.5
Negative	3	14	16.5
Zero	2	3	3
All	8	36	36

Unadjusted variance **51.00**Adjustment for ties **0.00**Adjustment for zeros **-1.25**Adjusted variance **49.75**

H0: GMCSF_LPS10 = GMCSF_LPS6

z = **0.354**Prob > |z| = **0.7230**Exact prob = **0.7812**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	13.5
Negative	3	17	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**Adjustment for ties **0.00**Adjustment for zeros **-0.25**Adjusted variance **34.75**

H0: GMCSF_LPS10 = GMCSF_LPS6

z = **-0.594**Prob > |z| = **0.5527**Exact prob = **0.6250**

715 . bysort MHIV: signrank IL8_poly10 = IL8_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	9	18
Negative	5	27	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **51.00**

H0: IL8_poly10 = IL8_poly6

z = **-1.260**Prob > |z| = **0.2076**Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	6	14
Negative	6	22	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**
 Adjusted variance **35.00**

H0: IL8_poly10 = IL8_poly6

z = **-1.352**Prob > |z| = **0.1763**Exact prob = **0.2188**

716 . bysort MHIV: signrank IL10_poly10 = IL10_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	14	18
Negative	5	22	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**
 Adjusted variance **51.00**

H0: IL10_poly10 = IL10_poly6

z = **-0.560**Prob > |z| = **0.5754**Exact prob = **0.6406**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	14
Negative	5	19	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**
 Adjusted variance **35.00**

H0: IL10_poly10 = IL10_poly6

z = **-0.845**Prob > |z| = **0.3980**Exact prob = **0.4688**

717 . bysort MHIV: signrank IL6_poly10 = IL6_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	5	18
Negative	6	31	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: IL6_poly10 = IL6_poly6
 $z = -1.820$
 Prob > $|z| = 0.0687$
 Exact prob = **0.0781**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	14
Negative	4	18	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **35.00**

H0: IL6_poly10 = IL6_poly6
 $z = -0.676$
 Prob > $|z| = 0.4990$
 Exact prob = **0.5781**

718 . bysort MHIV: signrank TNFa_poly10 = TNFa_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	9	18
Negative	5	27	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: TNFa_poly10 = TNFa_poly6
 $z = -1.260$
 Prob > $|z| = 0.2076$

Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	14
Negative	5	19	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_poly10 = TNFa_poly6

z = **-0.845**

Prob > |z| = **0.3980**

Exact prob = **0.4688**

719 . bysort MHIV: signrank IFNg_poly10 = IFNg_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	22	17.5
Negative	3	13	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IFNg_poly10 = IFNg_poly6

z = **0.632**

Prob > |z| = **0.5276**

Exact prob = **0.5938**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	13.5
Negative	4	18	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-0.25**

Adjusted variance **34.62**

H0: IFNg_poly10 = IFNg_poly6

z = **-0.765**

Prob > |z| = **0.4444**

Exact prob = **0.5000**

720 . bysort MHIV: signrank IL2_poly10 = IL2_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	14	15
Negative	3	16	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_poly10 = IL2_poly6

z = **-0.145**

Prob > |z| = **0.8846**

Exact prob = **0.9375**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	13.5
Negative	4	18	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL2_poly10 = IL2_poly6

z = **-0.763**

Prob > |z| = **0.4452**

Exact prob = **0.5312**

721 . bysort MHIV: signrank IL4_poly10 = IL4_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	5	18
Negative	7	31	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_poly10 = IL4_poly6

z = **-1.820**

Prob > |z| = **0.0687**

Exact prob = **0.0781**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	6	14
Negative	4	22	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL4_poly10 = IL4_poly6

z = **-1.352**

Prob > |z| = **0.1763**

Exact prob = **0.2188**

722 . bysort MHIV: signrank GMCSF_poly10 = GMCSF_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	18	15
Negative	2	12	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_poly10 = GMCSF_poly6

z = **0.435**

Prob > |z| = **0.6634**

Exact prob = **0.7500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	5	13.5
Negative	4	22	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_poly10 = GMCSF_poly6

z = **-1.442**

Prob > |z| = **0.1493**

Exact prob = **0.1875**

723 .

end of do-file

724 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

725 . *6 Months versus 12 months

726 . bysort MHIV: signrank IL8_C12 = IL8_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	13	27.5
Negative	6	42	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL8_C12 = IL8_C6

z = **-1.478**

Prob > |z| = **0.1394**

Exact prob = **0.1602**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	11	33
Negative	9	55	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_C12 = IL8_C6

z = **-1.956**

Prob > |z| = **0.0505**

Exact prob = **0.0537**

727 . bysort MHIV: signrank IL10_C12 = IL10_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	24	27.5

Negative	6	31	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **96.25**

H0: IL10_C12 = IL10_C6
 $z = -0.357$
 Prob > |z| = **0.7213**
 Exact prob = **0.7695**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	12	33
Negative	8	54	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **126.50**

H0: IL10_C12 = IL10_C6
 $z = -1.867$
 Prob > |z| = **0.0619**
 Exact prob = **0.0674**

728 . bysort MHIV: signrank IL6_C12 = IL6_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	13	27.5
Negative	7	42	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **96.25**

H0: IL6_C12 = IL6_C6
 $z = -1.478$
 Prob > |z| = **0.1394**
 Exact prob = **0.1602**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
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Positive	3	12	33
Negative	8	54	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_C12 = IL6_C6
 $z = -1.867$
 Prob > $|z|$ = **0.0619**
 Exact prob = **0.0674**

729 . bysort MHIV: signrank TNFa_C12 = TNFa_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	8	27.5
Negative	7	47	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: TNFa_C12 = TNFa_C6
 $z = -1.988$
 Prob > $|z|$ = **0.0469**
 Exact prob = **0.0488**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	33
Negative	7	47	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_C12 = TNFa_C6
 $z = -1.245$
 Prob > $|z|$ = **0.2132**
 Exact prob = **0.2402**

730 . bysort MHIV: signrank IFNg_C12 = IFNg_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	20	27.5
Negative	6	35	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IFNg_C12 = IFNg_C6

z = **-0.764**

Prob > |z| = **0.4446**

Exact prob = **0.4922**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	20.5	32.5
Negative	6	44.5	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-0.25**

Adjusted variance **126.12**

H0: IFNg_C12 = IFNg_C6

z = **-1.069**

Prob > |z| = **0.2853**

Exact prob = **0.3086**

731 . bysort MHIV: signrank IL2_C12 = IL2_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	32	24.5
Negative	2	17	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **92.75**

H0: IL2_C12 = IL2_C6

z = **0.779**

Prob > |z| = **0.4361**

Exact prob = **0.4844**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	17	28
Negative	5	39	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **-7.50**Adjusted variance **119.00**

H0: IL2_C12 = IL2_C6

z = **-1.008**Prob > |z| = **0.3133**Exact prob = **0.3594**

732 . bysort MHIV: signrank IL4_C12 = IL4_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	35	27.5
Negative	4	20	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **96.25**

H0: IL4_C12 = IL4_C6

z = **0.764**Prob > |z| = **0.4446**Exact prob = **0.4922**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	36	33
Negative	5	30	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **126.50**

H0: IL4_C12 = IL4_C6

z = **0.267**Prob > |z| = **0.7897**Exact prob = **0.8311**

733 . bysort MHIV: signrank GMCSF_C12 = GMCSF_C6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	19	22.5
Negative	4	26	22.5
Zero	4	10	10
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-7.50**

Adjusted variance **88.75**

H0: GMCSF_C12 = GMCSF_C6

z = **-0.372**

Prob > |z| = **0.7102**

Exact prob = **0.7500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	19	31.5
Negative	6	44	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **125.25**

H0: GMCSF_C12 = GMCSF_C6

z = **-1.117**

Prob > |z| = **0.2640**

Exact prob = **0.2969**

734 . bysort MHIV: signrank IL8_LPS12 = IL8_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	32	27.5
Negative	5	23	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL8_LPS12 = IL8_LPS6

z = **0.459**

Prob > |z| = **0.6465**

Exact prob = **0.6953**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	0	0	33
Negative	11	66	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_LPS12 = IL8_LPS6

z = **-2.934**

Prob > |z| = **0.0033**

Exact prob = **0.0010**

735 . bysort MHIV: signrank IL10_LPS12 = IL10_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	28	27.5
Negative	4	27	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL10_LPS12 = IL10_LPS6

z = **0.051**

Prob > |z| = **0.9594**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	37	33
Negative	5	29	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL10_LPS12 = IL10_LPS6

z = **0.356**

Prob > |z| = **0.7221**

Exact prob = **0.7646**

736 . bysort MHIV: signrank IL6_LPS12 = IL6_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	33	27.5
Negative	3	22	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL6_LPS12 = IL6_LPS6

z = **0.561**

Prob > |z| = **0.5751**

Exact prob = **0.6250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	30	33
Negative	6	36	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_LPS12 = IL6_LPS6

z = **-0.267**

Prob > |z| = **0.7897**

Exact prob = **0.8311**

737 . bysort MHIV: signrank TNFa_LPS12 = TNFa_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	25	27.5
Negative	5	30	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**


```

H0: TNFa_LPS12 = TNFa_LPS6
      z = -0.255
Prob > |z| = 0.7989
Exact prob = 0.8457

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	7	47	33
Negative	4	19	33
Zero	0	0	0
All	11	66	66

```

Unadjusted variance    126.50
Adjustment for ties    0.00
Adjustment for zeros    0.00

```

```
Adjusted variance      126.50
```

```

H0: TNFa_LPS12 = TNFa_LPS6
      z = 1.245
Prob > |z| = 0.2132
Exact prob = 0.2402

```

```
738 . bysort MHIV: signrank IFNg_LPS12 = IFNg_LPS6
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	7	37	27.5
Negative	3	18	27.5
Zero	0	0	0
All	10	55	55

```

Unadjusted variance    96.25
Adjustment for ties    0.00
Adjustment for zeros    0.00

```

```
Adjusted variance      96.25
```

```

H0: IFNg_LPS12 = IFNg_LPS6
      z = 0.968
Prob > |z| = 0.3329
Exact prob = 0.3750

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	20	31.5
Negative	6	43	31.5
Zero	2	3	3
All	11	66	66

```

Unadjusted variance    126.50
Adjustment for ties    0.00
Adjustment for zeros    -1.25

```

```
Adjusted variance      125.25
```

H0: IFNg_LPS12 = IFNg_LPS6

z = **-1.028**

Prob > |z| = **0.3042**

Exact prob = **0.3398**

739 . bysort MHIV: signrank IL2_LPS12 = IL2_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	14	24.5
Negative	5	35	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **-3.50**

Adjusted variance **92.75**

H0: IL2_LPS12 = IL2_LPS6

z = **-1.090**

Prob > |z| = **0.2756**

Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	23	25.5
Negative	3	28	25.5
Zero	5	15	15
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-13.75**

Adjusted variance **112.75**

H0: IL2_LPS12 = IL2_LPS6

z = **-0.235**

Prob > |z| = **0.8139**

Exact prob = **0.8125**

740 . bysort MHIV: signrank IL4_LPS12 = IL4_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	35	27.5
Negative	4	20	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL4_LPS12 = IL4_LPS6

z = **0.764**

Prob > |z| = **0.4446**

Exact prob = **0.4922**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	32	32.5
Negative	5	33	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **126.25**

H0: IL4_LPS12 = IL4_LPS6

z = **-0.044**

Prob > |z| = **0.9645**

Exact prob = **1.0000**

741 . bysort MHIV: signrank GMCSF_LPS12 = GMCSF_LPS6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	35	27
Negative	3	19	27
Zero	1	1	1
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **96.00**

H0: GMCSF_LPS12 = GMCSF_LPS6

z = **0.816**

Prob > |z| = **0.4142**

Exact prob = **0.4609**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	23	31.5
Negative	5	40	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **125.25**

H0: GMCSF_LPS12 = GMCSF_LPS6

z = **-0.760**

Prob > |z| = **0.4476**

Exact prob = **0.4883**

742 . bysort MHIV: signrank IL8_poly12 = IL8_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	17	27.5
Negative	6	38	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL8_poly12 = IL8_poly6

z = **-1.070**

Prob > |z| = **0.2845**

Exact prob = **0.3223**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	11	33
Negative	9	55	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_poly12 = IL8_poly6

z = **-1.956**

Prob > |z| = **0.0505**

Exact prob = **0.0537**

743 . bysort MHIV: signrank IL10_poly12 = IL10_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	14	27.5
Negative	6	41	27.5
Zero	0	0	0

All	10	55	55
-----	----	----	----

Unadjusted variance	96.25
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	96.25
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H0: IL10_poly12 = IL10_poly6

z = -1.376

Prob > |z| = 0.1688

Exact prob = 0.1934

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	17	32.5
Negative	8	48	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance	126.50
Adjustment for ties	0.00
Adjustment for zeros	-0.25

Adjusted variance	126.25
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H0: IL10_poly12 = IL10_poly6

z = -1.379

Prob > |z| = 0.1677

Exact prob = 0.1895

744 . bysort MHIV: signrank IL6_poly12 = IL6_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	9	27.5
Negative	9	46	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance	96.25
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	96.25
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H0: IL6_poly12 = IL6_poly6

z = -1.886

Prob > |z| = 0.0593

Exact prob = 0.0645

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	12	33
Negative	9	54	33
Zero	0	0	0

All	11	66	66
-----	----	----	----

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_poly12 = IL6_poly6

z = **-1.867**

Prob > |z| = **0.0619**

Exact prob = **0.0674**

745 . bysort MHIV: signrank TNFa_poly12 = TNFa_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	12	27.5
Negative	8	43	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: TNFa_poly12 = TNFa_poly6

z = **-1.580**

Prob > |z| = **0.1141**

Exact prob = **0.1309**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	15	33
Negative	8	51	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_poly12 = TNFa_poly6

z = **-1.600**

Prob > |z| = **0.1095**

Exact prob = **0.1230**

746 . bysort MHIV: signrank IFNg_poly12 = IFNg_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	5	33.5	26
Negative	3	18.5	26
Zero	2	3	3
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-1.25**

Adjusted variance **94.88**

H0: IFNg_poly12 = IFNg_poly6
 $z = 0.770$
 Prob > $|z| = 0.4413$
 Exact prob = **0.4844**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	18	31.5
Negative	6	45	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **125.25**

H0: IFNg_poly12 = IFNg_poly6
 $z = -1.206$
 Prob > $|z| = 0.2277$
 Exact prob = **0.2578**

747 . bysort MHIV: signrank IL2_poly12 = IL2_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	10	24.5
Negative	6	39	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **92.75**

H0: IL2_poly12 = IL2_poly6
 $z = -1.506$
 Prob > $|z| = 0.1322$
 Exact prob = **0.1562**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	3	22	25.5
Negative	3	29	25.5
Zero	5	15	15
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-13.75**

Adjusted variance **112.75**

H0: IL2_poly12 = IL2_poly6

z = **-0.330**

Prob > |z| = **0.7417**

Exact prob = **0.7500**

748 . bysort MHIV: signrank IL4_poly12 = IL4_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	30	27.5
Negative	6	25	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL4_poly12 = IL4_poly6

z = **0.255**

Prob > |z| = **0.7989**

Exact prob = **0.8457**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	37	32.5
Negative	5	28	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **126.25**

H0: IL4_poly12 = IL4_poly6

z = **0.400**

Prob > |z| = **0.6888**

Exact prob = **0.7324**

749 . bysort MHIV: signrank GMCSF_poly12 = GMCSF_poly6

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	9	24.5
Negative	6	40	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **-0.12**Adjustment for zeros **-3.50**Adjusted variance **92.62**

H0: GMCSF_poly12 = GMCSF_poly6

z = **-1.611**Prob > |z| = **0.1073**Exact prob = **0.1250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	13	30
Negative	6	47	30
Zero	3	6	6
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **-3.50**Adjusted variance **123.00**

H0: GMCSF_poly12 = GMCSF_poly6

z = **-1.533**Prob > |z| = **0.1253**Exact prob = **0.1406**

750 .

end of do-file

751 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

752 . *0 Weeks versus 12 months

753 . bysort MHIV: signrank IL8_C12 = IL8_C0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	4	27.5
Negative	8	51	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **96.25**

H0: IL8_C12 = IL8_C0

$z = -2.395$
 Prob > $|z| = 0.0166$
 Exact prob = 0.0137

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	8	33
Negative	10	58	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_C12 = IL8_C0
 $z = -2.223$
 Prob > $|z| = 0.0262$
 Exact prob = 0.0244

754 . bysort MHIV: signrank IL10_C12 = IL10_C0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	29	27.5
Negative	5	26	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL10_C12 = IL10_C0
 $z = 0.153$
 Prob > $|z| = 0.8785$
 Exact prob = 0.9219

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	43	33
Negative	4	23	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

```

H0: IL10_C12 = IL10_C0
    z = 0.889
Prob > |z| = 0.3739
Exact prob = 0.4131

```

```
755 . bysort MHIV: signrank IL6_C12 = IL6_C0
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	8	40	27.5
Negative	2	15	27.5
Zero	0	0	0
All	10	55	55

```

Unadjusted variance    96.25
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      96.25
```

```

H0: IL6_C12 = IL6_C0
    z = 1.274
Prob > |z| = 0.2026
Exact prob = 0.2324

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	7	37	33
Negative	4	29	33
Zero	0	0	0
All	11	66	66

```

Unadjusted variance    126.50
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      126.50
```

```

H0: IL6_C12 = IL6_C0
    z = 0.356
Prob > |z| = 0.7221
Exact prob = 0.7646

```

```
756 . bysort MHIV: signrank TNFa_C12 = TNFa_C0
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	5	25	27.5
Negative	5	30	27.5
Zero	0	0	0
All	10	55	55

```

Unadjusted variance    96.25
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

Adjusted variance **96.25**

H0: TNFa_C12 = TNFa_C0

z = **-0.255**

Prob > |z| = **0.7989**

Exact prob = **0.8457**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	42	33
Negative	3	24	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_C12 = TNFa_C0

z = **0.800**

Prob > |z| = **0.4236**

Exact prob = **0.4648**

757 . bysort MHIV: signrank IFNg_C12 = IFNg_C0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	15	27.5
Negative	8	40	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IFNg_C12 = IFNg_C0

z = **-1.274**

Prob > |z| = **0.2026**

Exact prob = **0.2324**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	7	31.5
Negative	7	56	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **-0.12**

Adjustment for zeros **-1.25**

Adjusted variance **125.12**

H0: IFNg_C12 = IFNg_C0

z = **-2.190**

Prob > |z| = **0.0285**

Exact prob = **0.0273**

758 . bysort MHIV: signrank IL2_C12 = IL2_C0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	28	22.5
Negative	2	17	22.5
Zero	4	10	10
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **-7.50**

Adjusted variance **88.75**

H0: IL2_C12 = IL2_C0

z = **0.584**

Prob > |z| = **0.5593**

Exact prob = **0.6250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	0	0	28
Negative	7	56	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-7.50**

Adjusted variance **119.00**

H0: IL2_C12 = IL2_C0

z = **-2.567**

Prob > |z| = **0.0103**

Exact prob = **0.0156**

759 . bysort MHIV: signrank IL4_C12 = IL4_C0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	46	27.5
Negative	2	9	27.5
Zero	0	0	0
All	10	55	55

```

Unadjusted variance      96.25
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      96.25
```

```
H0: IL4_C12 = IL4_C0
```

```
z = 1.886
```

```
Prob > |z| = 0.0593
```

```
Exact prob = 0.0645
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	10	58	33
Negative	1	8	33
Zero	0	0	0
All	11	66	66

```
Unadjusted variance      126.50
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      126.50
```

```
H0: IL4_C12 = IL4_C0
```

```
z = 2.223
```

```
Prob > |z| = 0.0262
```

```
Exact prob = 0.0244
```

```
760 . bysort MHIV: signrank GMCSF_C12 = GMCSF_C0
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	7	46	26
Negative	1	6	26
Zero	2	3	3
All	10	55	55

```
Unadjusted variance      96.25
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      -1.25
```

```
Adjusted variance      95.00
```

```
H0: GMCSF_C12 = GMCSF_C0
```

```
z = 2.052
```

```
Prob > |z| = 0.0402
```

```
Exact prob = 0.0391
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	25	28
Negative	4	31	28
Zero	4	10	10

All | 11 66 66

Unadjusted variance 126.50
 Adjustment for ties 0.00
 Adjustment for zeros -7.50

Adjusted variance 119.00

H0: GMCSE_C12 = GMCSE_C0

z = -0.275

Prob > |z| = 0.7833

Exact prob = 0.8281

761 . bysort MHIV: signrank IL8_LPS12 = IL8_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	21	27.5
Negative	6	34	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance 96.25

Adjustment for ties 0.00

Adjustment for zeros 0.00

Adjusted variance 96.25

H0: IL8_LPS12 = IL8_LPS0

z = -0.663

Prob > |z| = 0.5076

Exact prob = 0.5566

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	18	33
Negative	8	48	33
Zero	0	0	0
All	11	66	66

Unadjusted variance 126.50

Adjustment for ties 0.00

Adjustment for zeros 0.00

Adjusted variance 126.50

H0: IL8_LPS12 = IL8_LPS0

z = -1.334

Prob > |z| = 0.1823

Exact prob = 0.2061

762 . bysort MHIV: signrank IL10_LPS12 = IL10_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	15	27.5

Negative	6	40	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **96.25**

H0: IL10_LPS12 = IL10_LPS0
 $z = -1.274$
 Prob > |z| = **0.2026**
 Exact prob = **0.2324**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	20	33
Negative	7	46	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **126.50**

H0: IL10_LPS12 = IL10_LPS0
 $z = -1.156$
 Prob > |z| = **0.2477**
 Exact prob = **0.2783**

763 . bysort MHIV: signrank IL6_LPS12 = IL6_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	41	27.5
Negative	4	14	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **96.25**

H0: IL6_LPS12 = IL6_LPS0
 $z = 1.376$
 Prob > |z| = **0.1688**
 Exact prob = **0.1934**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	6	37	33
Negative	5	29	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_LPS12 = IL6_LPS0
 z = **0.356**
 Prob > |z| = **0.7221**
 Exact prob = **0.7646**

764 . bysort MHIV: signrank TNFa_LPS12 = TNFa_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	42	27.5
Negative	3	13	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: TNFa_LPS12 = TNFa_LPS0
 z = **1.478**
 Prob > |z| = **0.1394**
 Exact prob = **0.1602**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	47	33
Negative	3	19	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_LPS12 = TNFa_LPS0
 z = **1.245**
 Prob > |z| = **0.2132**
 Exact prob = **0.2402**

765 . bysort MHIV: signrank IFNg_LPS12 = IFNg_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	30	27
Negative	4	24	27
Zero	1	1	1
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-0.25**

Adjusted variance **95.88**

H0: IFNg_LPS12 = IFNg_LPS0

z = **0.306**

Prob > |z| = **0.7593**

Exact prob = **0.7891**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	16	30
Negative	6	44	30
Zero	3	6	6
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **123.00**

H0: IFNg_LPS12 = IFNg_LPS0

z = **-1.262**

Prob > |z| = **0.2068**

Exact prob = **0.2344**

766 . bysort MHIV: signrank IL2_LPS12 = IL2_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	14	24.5
Negative	5	35	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **92.75**

H0: IL2_LPS12 = IL2_LPS0

z = **-1.090**

Prob > |z| = **0.2756**

Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	15	28
Negative	5	41	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **-7.50**Adjusted variance **119.00**

H0: IL2_LPS12 = IL2_LPS0

z = **-1.192**Prob > |z| = **0.2334**Exact prob = **0.2656**

767 . bysort MHIV: signrank IL4_LPS12 = IL4_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	46	27.5
Negative	2	9	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **96.25**

H0: IL4_LPS12 = IL4_LPS0

z = **1.886**Prob > |z| = **0.0593**Exact prob = **0.0645**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	50	33
Negative	4	16	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **126.50**

H0: IL4_LPS12 = IL4_LPS0

z = **1.511**Prob > |z| = **0.1307**Exact prob = **0.1475**

768 . bysort MHIV: signrank GMCSF_LPS12 = GMCSF_LPS0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	40	27.5
Negative	3	15	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: GMCSF_LPS12 = GMCSF_LPS0

z = **1.274**

Prob > |z| = **0.2026**

Exact prob = **0.2324**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	30	32.5
Negative	6	35	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **126.25**

H0: GMCSF_LPS12 = GMCSF_LPS0

z = **-0.222**

Prob > |z| = **0.8239**

Exact prob = **0.8652**

769 . bysort MHIV: signrank IL8_poly12 = IL8_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	17	27.5
Negative	6	38	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL8_poly12 = IL8_poly0

z = **-1.070**

Prob > |z| = **0.2845**

Exact prob = **0.3223**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	8	33
Negative	10	58	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_poly12 = IL8_poly0

z = **-2.223**

Prob > |z| = **0.0262**

Exact prob = **0.0244**

770 . bysort MHIV: signrank IL10_poly12 = IL10_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	37	27
Negative	3	17	27
Zero	1	1	1
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **96.00**

H0: IL10_poly12 = IL10_poly0

z = **1.021**

Prob > |z| = **0.3074**

Exact prob = **0.3477**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	31	33
Negative	5	35	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL10_poly12 = IL10_poly0

z = **-0.178**

Prob > |z| = **0.8589**

Exact prob = **0.8984**

771 . bysort MHIV: signrank IL6_poly12 = IL6_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	40	27.5
Negative	2	15	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL6_poly12 = IL6_poly0

z = **1.274**

Prob > |z| = **0.2026**

Exact prob = **0.2324**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	24	33
Negative	6	42	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_poly12 = IL6_poly0

z = **-0.800**

Prob > |z| = **0.4236**

Exact prob = **0.4648**

772 . bysort MHIV: signrank TNFa_poly12 = TNFa_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	32	27.5
Negative	5	23	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

```

H0: TNFa_poly12 = TNFa_poly0
      z = 0.459
Prob > |z| = 0.6465
Exact prob = 0.6953

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	6	27	33
Negative	5	39	33
Zero	0	0	0
All	11	66	66

```

Unadjusted variance    126.50
Adjustment for ties    0.00
Adjustment for zeros   0.00

```

```
Adjusted variance      126.50
```

```

H0: TNFa_poly12 = TNFa_poly0
      z = -0.533
Prob > |z| = 0.5937
Exact prob = 0.6377

```

```
773 . bysort MHIV: signrank IFNg_poly12 = IFNg_poly0
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	25	20
Negative	2	15	20
Zero	5	15	15
All	10	55	55

```

Unadjusted variance    96.25
Adjustment for ties    0.00
Adjustment for zeros  -13.75

```

```
Adjusted variance      82.50
```

```

H0: IFNg_poly12 = IFNg_poly0
      z = 0.550
Prob > |z| = 0.5820
Exact prob = 0.6250

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	18.5	33
Negative	7	47.5	33
Zero	0	0	0
All	11	66	66

```

Unadjusted variance    126.50
Adjustment for ties    -0.62
Adjustment for zeros   0.00

```

```
Adjusted variance      125.88
```

H0: IFNg_poly12 = IFNg_poly0

z = **-1.292**

Prob > |z| = **0.1962**

Exact prob = **0.2129**

774 . bysort MHIV: signrank IL2_poly12 = IL2_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	28	24.5
Negative	3	21	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **-3.50**

Adjusted variance **92.75**

H0: IL2_poly12 = IL2_poly0

z = **0.363**

Prob > |z| = **0.7163**

Exact prob = **0.7656**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	10	28
Negative	6	46	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-7.50**

Adjusted variance **119.00**

H0: IL2_poly12 = IL2_poly0

z = **-1.650**

Prob > |z| = **0.0989**

Exact prob = **0.1094**

775 . bysort MHIV: signrank IL4_poly12 = IL4_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	45	27.5
Negative	2	10	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL4_poly12 = IL4_poly0

z = **1.784**

Prob > |z| = **0.0745**

Exact prob = **0.0840**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	55	32.5
Negative	2	10	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **126.25**

H0: IL4_poly12 = IL4_poly0

z = **2.002**

Prob > |z| = **0.0452**

Exact prob = **0.0469**

776 . bysort MHIV: signrank GMCSF_poly12 = GMCSF_poly0

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	38	27
Negative	3	16	27
Zero	1	1	1
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **96.00**

H0: GMCSF_poly12 = GMCSF_poly0

z = **1.123**

Prob > |z| = **0.2616**

Exact prob = **0.2969**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	17	31.5
Negative	6	46	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**

```

Adjustment for ties      0.00
Adjustment for zeros    -1.25

```

```
Adjusted variance      125.25
```

```
H0: GMCSF_poly12 = GMCSF_poly0
```

```
z = -1.296
```

```
Prob > |z| = 0.1951
```

```
Exact prob = 0.2188
```

```

777 .
    end of do-file

778 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

779 . *Differences over time
780 . bysort MHIV: signrank IL8_diff1 = IL8_diff2

```

```

-> MHIV = 0
variable IL8_diff1 not found
r(111);

```

```
end of do-file
```

```
r(111);
```

```

781 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

782 . bysort MHIV: signrank IL8_Cdiff1 = IL8_Cdiff2

```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	3	18
Negative	7	33	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance      51.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      51.00
```

```
H0: IL8_Cdiff1 = IL8_Cdiff2
```

```
z = -2.100
```

```
Prob > |z| = 0.0357
```

```
Exact prob = 0.0391
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	7	14
Negative	5	21	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance      35.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      35.00
```

H0: IL8_Cdiff1 = IL8_Cdiff2

z = **-1.183**

Prob > |z| = **0.2367**

Exact prob = **0.2969**

783 . bysort MHIV: signrank IL8_Cdiff2 = IL8_Cdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	24	18
Negative	4	12	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_Cdiff2 = IL8_Cdiff3

z = **0.840**

Prob > |z| = **0.4008**

Exact prob = **0.4609**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	17	14
Negative	3	11	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_Cdiff2 = IL8_Cdiff3

z = **0.507**

Prob > |z| = **0.6121**

Exact prob = **0.6875**

784 . bysort MHIV: signrank IL8_Cdiff3 = IL8_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	36	27.5
Negative	3	19	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL8_Cdiff3 = IL8_Cdiff4

z = **0.866**

Prob > |z| = **0.3863**

Exact prob = **0.4316**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	24	33
Negative	7	42	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_Cdiff3 = IL8_Cdiff4

z = **-0.800**

Prob > |z| = **0.4236**

Exact prob = **0.4648**

785 . bysort MHIV: signrank IL8_Cdiff1 = IL8_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	18
Negative	6	27	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_Cdiff1 = IL8_Cdiff4

z = **-1.260**

Prob > |z| = **0.2076**

Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

```

Adjustment for ties      0.00
Adjustment for zeros    0.00

```

```
Adjusted variance      35.00
```

```
H0: IL8_Cdiff1 = IL8_Cdiff4
```

```
z = 0.338
```

```
Prob > |z| = 0.7353
```

```
Exact prob = 0.8125
```

```
786 .
```

```
787 . bysort MHIV: signrank IL10_Cdiff1 = IL10_Cdiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	15	18
Negative	5	21	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance    51.00
```

```
Adjustment for ties    0.00
```

```
Adjustment for zeros    0.00
```

```
Adjusted variance      51.00
```

```
H0: IL10_Cdiff1 = IL10_Cdiff2
```

```
z = -0.420
```

```
Prob > |z| = 0.6744
```

```
Exact prob = 0.7422
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	14	14
Negative	3	14	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance    35.00
```

```
Adjustment for ties    0.00
```

```
Adjustment for zeros    0.00
```

```
Adjusted variance      35.00
```

```
H0: IL10_Cdiff1 = IL10_Cdiff2
```

```
z = 0.000
```

```
Prob > |z| = 1.0000
```

```
Exact prob = 1.0000
```

```
788 . bysort MHIV: signrank IL10_Cdiff2 = IL10_Cdiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	18	18
Negative	4	18	18
Zero	0	0	0

All	8	36	36
-----	---	----	----

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL10_Cdiff2 = IL10_Cdiff3

z = **0.000**

Prob > |z| = **1.0000**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL10_Cdiff2 = IL10_Cdiff3

z = **0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

789 . bysort MHIV: signrank IL10_Cdiff3 = IL10_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	14	27.5
Negative	7	41	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL10_Cdiff3 = IL10_Cdiff4

z = **-1.376**

Prob > |z| = **0.1688**

Exact prob = **0.1934**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	17	32.5
Negative	7	48	32.5

Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **126.25**

H0: IL10_Cdiff3 = IL10_Cdiff4

z = **-1.379**

Prob > |z| = **0.1677**

Exact prob = **0.1895**

790 . bysort MHIV: signrank IL10_Cdiff1 = IL10_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	21	17.5
Negative	3	14	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IL10_Cdiff1 = IL10_Cdiff4

z = **0.491**

Prob > |z| = **0.6232**

Exact prob = **0.6875**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	24	14
Negative	1	4	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL10_Cdiff1 = IL10_Cdiff4

z = **1.690**

Prob > |z| = **0.0910**

Exact prob = **0.1094**

791 .

792 . bysort MHIV: signrank IL6_Cdiff1 = IL6_Cdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	18
Negative	7	32	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_Cdiff1 = IL6_Cdiff2

z = **-1.960**

Prob > |z| = **0.0499**

Exact prob = **0.0547**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	14
Negative	5	19	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_Cdiff1 = IL6_Cdiff2

z = **-0.845**

Prob > |z| = **0.3980**

Exact prob = **0.4688**

793 . bysort MHIV: signrank IL6_Cdiff2 = IL6_Cdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	27	18
Negative	3	9	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_Cdiff2 = IL6_Cdiff3

z = **1.260**

Prob > |z| = **0.2076**

Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_Cdiff2 = IL6_Cdiff3

z = **0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

794 . bysort MHIV: signrank IL6_Cdiff3 = IL6_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	12	27.5
Negative	8	43	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL6_Cdiff3 = IL6_Cdiff4

z = **-1.580**

Prob > |z| = **0.1141**

Exact prob = **0.1309**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	14	33
Negative	7	52	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_Cdiff3 = IL6_Cdiff4

z = **-1.689**

Prob > |z| = **0.0912**

Exact prob = **0.1016**

795 . bysort MHIV: signrank IL6_Cdiff1 = IL6_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	7	18
Negative	6	29	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_Cdiff1 = IL6_Cdiff4

z = **-1.540**

Prob > |z| = **0.1235**

Exact prob = **0.1484**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	20	13.5
Negative	2	7	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL6_Cdiff1 = IL6_Cdiff4

z = **1.103**

Prob > |z| = **0.2702**

Exact prob = **0.3438**

796 .

797 . bysort MHIV: signrank TNFa_Cdiff1 = TNFa_Cdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	8	18
Negative	6	28	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_Cdiff1 = TNFa_Cdiff2

z = **-1.400**

Prob > |z| = **0.1614**

Exact prob = **0.1953**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	14
Negative	5	19	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_Cdiff1 = TNFa_Cdiff2

z = **-0.845**

Prob > |z| = **0.3980**

Exact prob = **0.4688**

798 . bysort MHIV: signrank TNFa_Cdiff2 = TNFa_Cdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	29	18
Negative	2	7	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_Cdiff2 = TNFa_Cdiff3

z = **1.540**

Prob > |z| = **0.1235**

Exact prob = **0.1484**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	15	14
Negative	4	13	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_Cdiff2 = TNFa_Cdiff3

z = **0.169**

Prob > |z| = **0.8658**

Exact prob = **0.9375**

799 . bysort MHIV: signrank TNFa_Cdiff3 = TNFa_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	27.5
Negative	7	39	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: TNFa_Cdiff3 = TNFa_Cdiff4

z = **-1.172**

Prob > |z| = **0.2411**

Exact prob = **0.2754**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	18	33
Negative	8	48	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_Cdiff3 = TNFa_Cdiff4

z = **-1.334**

Prob > |z| = **0.1823**

Exact prob = **0.2061**

800 . bysort MHIV: signrank TNFa_Cdiff1 = TNFa_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	15	18
Negative	4	21	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

```

H0: TNFa_Cdiff1 = TNFa_Cdiff4
      z = -0.420
Prob > |z| = 0.6744
Exact prob = 0.7422

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	21	14
Negative	3	7	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      35.00
```

```

H0: TNFa_Cdiff1 = TNFa_Cdiff4
      z = 1.183
Prob > |z| = 0.2367
Exact prob = 0.2969

```

```

801 .
802 . bysort MHIV: signrank IFNg_Cdiff1 = IFNg_Cdiff2

```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	18	15
Negative	2	12	15
Zero	3	6	6
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      -3.50

```

```
Adjusted variance      47.50
```

```

H0: IFNg_Cdiff1 = IFNg_Cdiff2
      z = 0.435
Prob > |z| = 0.6634
Exact prob = 0.7500

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	22	12.5
Negative	1	3	12.5
Zero	2	3	3
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      -0.12
Adjustment for zeros      -1.25

```

Adjusted variance **33.62**

H0: IFNg_Cdiff1 = IFNg_Cdiff2

z = **1.638**

Prob > |z| = **0.1014**

Exact prob = **0.1250**

803 . bysort MHIV: signrank IFNg_Cdiff2 = IFNg_Cdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	20	18
Negative	3	16	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IFNg_Cdiff2 = IFNg_Cdiff3

z = **0.280**

Prob > |z| = **0.7794**

Exact prob = **0.8438**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	7	14
Negative	6	21	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IFNg_Cdiff2 = IFNg_Cdiff3

z = **-1.183**

Prob > |z| = **0.2367**

Exact prob = **0.2969**

804 . bysort MHIV: signrank IFNg_Cdiff3 = IFNg_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	35	22.5
Negative	1	10	22.5
Zero	4	10	10
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**
 Adjustment for zeros **-7.50**

Adjusted variance **88.75**

H0: IFNg_Cdiff3 = IFNg_Cdiff4

z = **1.327**

Prob > |z| = **0.1846**

Exact prob = **0.2188**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	40	28
Negative	2	16	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-7.50**

Adjusted variance **119.00**

H0: IFNg_Cdiff3 = IFNg_Cdiff4

z = **1.100**

Prob > |z| = **0.2713**

Exact prob = **0.3125**

805 . bysort MHIV: signrank IFNg_Cdiff1 = IFNg_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	28	17.5
Negative	2	7	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IFNg_Cdiff1 = IFNg_Cdiff4

z = **1.474**

Prob > |z| = **0.1405**

Exact prob = **0.1719**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	25	14
Negative	2	3	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      35.00
```

```
H0: IFNg_Cdiff1 = IFNg_Cdiff4
```

```
z = 1.859
```

```
Prob > |z| = 0.0630
```

```
Exact prob = 0.0781
```

```
806 .
```

```
807 . bysort MHIV: signrank IL2_Cdiff1 = IL2_Cdiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	15	15
Negative	3	15	15
Zero	3	6	6
All	8	36	36

```
Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros     -3.50
```

```
Adjusted variance      47.50
```

```
H0: IL2_Cdiff1 = IL2_Cdiff2
```

```
z = 0.000
```

```
Prob > |z| = 1.0000
```

```
Exact prob = 1.0000
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	5	13.5
Negative	5	22	13.5
Zero	1	1	1
All	7	28	28

```
Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros     -0.25
```

```
Adjusted variance      34.75
```

```
H0: IL2_Cdiff1 = IL2_Cdiff2
```

```
z = -1.442
```

```
Prob > |z| = 0.1493
```

```
Exact prob = 0.1875
```

```
808 . bysort MHIV: signrank IL2_Cdiff2 = IL2_Cdiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	17	15
Negative	2	13	15

Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_Cdiff2 = IL2_Cdiff3

z = **0.290**

Prob > |z| = **0.7717**

Exact prob = **0.8750**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL2_Cdiff2 = IL2_Cdiff3

z = **0.933**

Prob > |z| = **0.3508**

Exact prob = **0.4062**

809 . bysort MHIV: signrank IL2_Cdiff3 = IL2_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	24	24.5
Negative	4	25	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **92.75**

H0: IL2_Cdiff3 = IL2_Cdiff4

z = **-0.052**

Prob > |z| = **0.9586**

Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	33	28

Negative	3	23	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-7.50**

 Adjusted variance **119.00**

H0: IL2_Cdiff3 = IL2_Cdiff4
 z = **0.458**
 Prob > |z| = **0.6467**
 Exact prob = **0.6875**

810 . bysort MHIV: signrank IL2_Cdiff1 = IL2_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	21	15
Negative	2	9	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

 Adjusted variance **47.50**

H0: IL2_Cdiff1 = IL2_Cdiff4
 z = **0.871**
 Prob > |z| = **0.3840**
 Exact prob = **0.4375**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	12.5
Negative	2	9	12.5
Zero	2	3	3
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

 Adjusted variance **33.75**

H0: IL2_Cdiff1 = IL2_Cdiff4
 z = **0.602**
 Prob > |z| = **0.5469**
 Exact prob = **0.6250**

811 .

812 . bysort MHIV: signrank IL4_Cdiff1 = IL4_Cdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	0	0	18
Negative	8	36	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_Cdiff1 = IL4_Cdiff2

z = **-2.521**

Prob > |z| = **0.0117**

Exact prob = **0.0078**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	0	0	13.5
Negative	6	27	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL4_Cdiff1 = IL4_Cdiff2

z = **-2.290**

Prob > |z| = **0.0220**

Exact prob = **0.0312**

813 . bysort MHIV: signrank IL4_Cdiff2 = IL4_Cdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	24	18
Negative	3	12	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_Cdiff2 = IL4_Cdiff3

z = **0.840**

Prob > |z| = **0.4008**

Exact prob = **0.4609**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **35.00**

H0: IL4_Cdiff2 = IL4_Cdiff3

z = **0.338**Prob > |z| = **0.7353**Exact prob = **0.8125**

814 . bysort MHIV: signrank IL4_Cdiff3 = IL4_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	27.5
Negative	8	46	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **96.25**

H0: IL4_Cdiff3 = IL4_Cdiff4

z = **-1.886**Prob > |z| = **0.0593**Exact prob = **0.0645**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	17	31.5
Negative	6	46	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **-1.25**Adjusted variance **125.25**

H0: IL4_Cdiff3 = IL4_Cdiff4

z = **-1.296**Prob > |z| = **0.1951**Exact prob = **0.2188**

815 . bysort MHIV: signrank IL4_Cdiff1 = IL4_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	18
Negative	7	32	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_Cdiff1 = IL4_Cdiff4

z = **-1.960**

Prob > |z| = **0.0499**

Exact prob = **0.0547**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	14
Negative	6	24	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL4_Cdiff1 = IL4_Cdiff4

z = **-1.690**

Prob > |z| = **0.0910**

Exact prob = **0.1094**

816 .

817 . bysort MHIV: signrank GMCSF_Cdiff1= GMCSF_Cdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	12	16.5
Negative	4	21	16.5
Zero	2	3	3
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **49.75**

H0: GMCSF_Cdiff1 = GMCSF_Cdiff2

z = **-0.638**

Prob > |z| = **0.5235**

Exact prob = **0.5938**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	12.5
Negative	4	21	12.5
Zero	2	3	3
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

Adjusted variance **33.75**

H0: GMCSF_Cdiff1 = GMCSF_Cdiff2

z = **-1.463**

Prob > |z| = **0.1434**

Exact prob = **0.1875**

818 . bysort MHIV: signrank GMCSF_Cdiff2= GMCSF_Cdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	22	15
Negative	1	8	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_Cdiff2 = GMCSF_Cdiff3

z = **1.016**

Prob > |z| = **0.3098**

Exact prob = **0.3750**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	23	13.5
Negative	1	4	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_Cdiff2 = GMCSF_Cdiff3

z = **1.612**

Prob > |z| = **0.1071**
Exact prob = **0.1250**

819 . bysort MHIV: signrank GMCSF_Cdiff3= GMCSF_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	5	26
Negative	7	47	26
Zero	2	3	3
All	10	55	55

Unadjusted variance **96.25**
Adjustment for ties **0.00**
Adjustment for zeros **-1.25**

Adjusted variance **95.00**

H0: GMCSF_Cdiff3 = GMCSF_Cdiff4

z = **-2.155**

Prob > |z| = **0.0312**

Exact prob = **0.0312**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	19	30
Negative	5	41	30
Zero	3	6	6
All	11	66	66

Unadjusted variance **126.50**
Adjustment for ties **0.00**
Adjustment for zeros **-3.50**

Adjusted variance **123.00**

H0: GMCSF_Cdiff3 = GMCSF_Cdiff4

z = **-0.992**

Prob > |z| = **0.3213**

Exact prob = **0.3594**

820 . bysort MHIV: signrank GMCSF_Cdiff1= GMCSF_Cdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	8	15
Negative	4	22	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
Adjustment for ties **0.00**
Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_Cdiff1 = GMCSF_Cdiff4

z = **-1.016**

Prob > |z| = **0.3098**

Exact prob = **0.3750**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_Cdiff1 = GMCSF_Cdiff4

z = **0.933**

Prob > |z| = **0.3508**

Exact prob = **0.4062**

821 .

end of do-file

822 . do "/var/folders/31/x9ydyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"

823 . bysort MHIV: signrank IL8_LPSdiff1 = IL8_LPSdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	18
Negative	5	20	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_LPSdiff1 = IL8_LPSdiff2

z = **-0.280**

Prob > |z| = **0.7794**

Exact prob = **0.8438**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	3	14
Negative	6	25	14
Zero	0	0	0
All	7	28	28


```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      35.00
```

```
H0: IL8_LPSdiff1 = IL8_LPSdiff2
```

```
z = -1.859
```

```
Prob > |z| = 0.0630
```

```
Exact prob = 0.0781
```

```
824 . bysort MHIV: signrank IL8_LPSdiff2 = IL8_LPSdiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	14	18
Negative	5	22	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance      51.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      51.00
```

```
H0: IL8_LPSdiff2 = IL8_LPSdiff3
```

```
z = -0.560
```

```
Prob > |z| = 0.5754
```

```
Exact prob = 0.6406
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	7	28	14
Negative	0	0	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance      35.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      35.00
```

```
H0: IL8_LPSdiff2 = IL8_LPSdiff3
```

```
z = 2.366
```

```
Prob > |z| = 0.0180
```

```
Exact prob = 0.0156
```

```
825 . bysort MHIV: signrank IL8_LPSdiff3 = IL8_LPSdiff4
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	6	35	27.5
Negative	4	20	27.5

Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL8_LPSdiff3 = IL8_LPSdiff4

z = **0.764**

Prob > |z| = **0.4446**

Exact prob = **0.4922**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	23	33
Negative	6	43	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL8_LPSdiff3 = IL8_LPSdiff4

z = **-0.889**

Prob > |z| = **0.3739**

Exact prob = **0.4131**

826 . bysort MHIV: signrank IL8_LPSdiff1 = IL8_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	10	18
Negative	4	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_LPSdiff1 = IL8_LPSdiff4

z = **-1.120**

Prob > |z| = **0.2626**

Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	3	14

Negative	5	25	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **35.00**

H0: IL8_LPSdiff1 = IL8_LPSdiff4
 z = **-1.859**
 Prob > |z| = **0.0630**
 Exact prob = **0.0781**

827 .
 828 . bysort MHIV: signrank IL10_LPSdiff1 = IL10_LPSdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	18
Negative	5	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: IL10_LPSdiff1 = IL10_LPSdiff2
 z = **-1.120**
 Prob > |z| = **0.2626**
 Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	6	14
Negative	4	22	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **35.00**

H0: IL10_LPSdiff1 = IL10_LPSdiff2
 z = **-1.352**
 Prob > |z| = **0.1763**
 Exact prob = **0.2188**

829 . bysort MHIV: signrank IL10_LPSdiff2 = IL10_LPSdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	19	18
Negative	5	17	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL10_LPSdiff2 = IL10_LPSdiff3

z = **0.140**

Prob > |z| = **0.8886**

Exact prob = **0.9453**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	8	14
Negative	5	20	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL10_LPSdiff2 = IL10_LPSdiff3

z = **-1.014**

Prob > |z| = **0.3105**

Exact prob = **0.3750**

830 . bysort MHIV: signrank IL10_LPSdiff3 = IL10_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	33	27.5
Negative	4	22	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL10_LPSdiff3 = IL10_LPSdiff4

z = **0.561**

Prob > |z| = **0.5751**

Exact prob = **0.6250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	8	51	33
Negative	3	15	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **126.50**

H0: IL10_LPSdiff3 = IL10_LPSdiff4

z = **1.600**Prob > |z| = **0.1095**Exact prob = **0.1230**

831 . bysort MHIV: signrank IL10_LPSdiff1 = IL10_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	11	18
Negative	5	25	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **51.00**

H0: IL10_LPSdiff1 = IL10_LPSdiff4

z = **-0.980**Prob > |z| = **0.3270**Exact prob = **0.3828**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	7	14
Negative	5	21	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **35.00**

H0: IL10_LPSdiff1 = IL10_LPSdiff4

z = **-1.183**Prob > |z| = **0.2367**Exact prob = **0.2969**

832 .

833 . bysort MHIV: signrank IL6_LPSdiff1 = IL6_LPSdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	20	18
Negative	4	16	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: IL6_LPSdiff1 = IL6_LPSdiff2
 $z = 0.280$
 Prob > |z| = **0.7794**
 Exact prob = **0.8438**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	11	14
Negative	4	17	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **35.00**

H0: IL6_LPSdiff1 = IL6_LPSdiff2
 $z = -0.507$
 Prob > |z| = **0.6121**
 Exact prob = **0.6875**

834 . bysort MHIV: signrank IL6_LPSdiff2 = IL6_LPSdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	14	18
Negative	5	22	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: IL6_LPSdiff2 = IL6_LPSdiff3
 $z = -0.560$
 Prob > |z| = **0.5754**

Exact prob = **0.6406**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	14	14
Negative	4	14	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_LPSdiff2 = IL6_LPSdiff3
 $z = 0.000$
 Prob > $|z| = 1.0000$
 Exact prob = **1.0000**

835 . bysort MHIV: signrank IL6_LPSdiff3 = IL6_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	8	27.5
Negative	8	47	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL6_LPSdiff3 = IL6_LPSdiff4
 $z = -1.988$
 Prob > $|z| = 0.0469$
 Exact prob = **0.0488**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	17	33
Negative	7	49	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_LPSdiff3 = IL6_LPSdiff4
 $z = -1.423$

Prob > |z| = **0.1549**

Exact prob = **0.1748**

836 . bysort MHIV: signrank IL6_LPSdiff1 = IL6_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	18
Negative	6	27	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_LPSdiff1 = IL6_LPSdiff4

z = **-1.260**

Prob > |z| = **0.2076**

Exact prob = **0.2500**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	12	14
Negative	3	16	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_LPSdiff1 = IL6_LPSdiff4

z = **-0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

837 .

838 . bysort MHIV: signrank TNFa_LPSdiff1 = TNFa_LPSdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	18
Negative	6	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_LPSdiff1 = TNFa_LPSdiff2

z = **-1.120**

Prob > |z| = **0.2626**

Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	13	14
Negative	3	15	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_LPSdiff1 = TNFa_LPSdiff2

z = **-0.169**

Prob > |z| = **0.8658**

Exact prob = **0.9375**

839 . bysort MHIV: signrank TNFa_LPSdiff2 = TNFa_LPSdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	20	18
Negative	3	16	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_LPSdiff2 = TNFa_LPSdiff3

z = **0.280**

Prob > |z| = **0.7794**

Exact prob = **0.8438**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	14
Negative	5	18	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_LPSdiff2 = TNFa_LPSdiff3

z = **-0.676**

Prob > |z| = **0.4990**

Exact prob = **0.5781**

840 . bysort MHIV: signrank TNFa_LPSdiff3 = TNFa_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	27.5
Negative	9	51	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: TNFa_LPSdiff3 = TNFa_LPSdiff4

z = **-2.395**

Prob > |z| = **0.0166**

Exact prob = **0.0137**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	24	33
Negative	8	42	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_LPSdiff3 = TNFa_LPSdiff4

z = **-0.800**

Prob > |z| = **0.4236**

Exact prob = **0.4648**

841 . bysort MHIV: signrank TNFa_LPSdiff1 = TNFa_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	4	18
Negative	6	32	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      51.00
```

```
H0: TNFa_LPSdiff1 = TNFa_LPSdiff4
```

```
z = -1.960
```

```
Prob > |z| = 0.0499
```

```
Exact prob = 0.0547
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	3	14
Negative	5	25	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance      35.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros      0.00
```

```
Adjusted variance      35.00
```

```
H0: TNFa_LPSdiff1 = TNFa_LPSdiff4
```

```
z = -1.859
```

```
Prob > |z| = 0.0630
```

```
Exact prob = 0.0781
```

```
842 .
```

```
843 . bysort MHIV: signrank IFNg_LPSdiff1 = IFNg_LPSdiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	11	17.5
Negative	5	24	17.5
Zero	1	1	1
All	8	36	36

```
Unadjusted variance      51.00
```

```
Adjustment for ties      0.00
```

```
Adjustment for zeros     -0.25
```

```
Adjusted variance      50.75
```

```
H0: IFNg_LPSdiff1 = IFNg_LPSdiff2
```

```
z = -0.912
```

```
Prob > |z| = 0.3615
```

```
Exact prob = 0.4219
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	3	13.5
Negative	5	24	13.5
Zero	1	1	1

All	7	28	28
-----	---	----	----

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IFNg_LPSdiff1 = IFNg_LPSdiff2
 z = **-1.781**
 Prob > |z| = **0.0749**
 Exact prob = **0.0938**

844 . bysort MHIV: signrank IFNg_LPSdiff2 = IFNg_LPSdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	18
Negative	6	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IFNg_LPSdiff2 = IFNg_LPSdiff3
 z = **-1.120**
 Prob > |z| = **0.2626**
 Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	14
Negative	3	9	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IFNg_LPSdiff2 = IFNg_LPSdiff3
 z = **0.845**
 Prob > |z| = **0.3980**
 Exact prob = **0.4688**

845 . bysort MHIV: signrank IFNg_LPSdiff3 = IFNg_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	30	26

Negative	3	22	26
Zero	2	3	3
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-1.25**

 Adjusted variance **95.00**

H0: IFNg_LPSdiff3 = IFNg_LPSdiff4
 $z = 0.410$
 Prob > $|z| = 0.6815$
 Exact prob = **0.7344**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	27	22.5
Negative	2	18	22.5
Zero	6	21	21
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-22.75**

 Adjusted variance **103.75**

H0: IFNg_LPSdiff3 = IFNg_LPSdiff4
 $z = 0.442$
 Prob > $|z| = 0.6586$
 Exact prob = **0.7500**

846 . bysort MHIV: signrank IFNg_LPSdiff1 = IFNg_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	13	18
Negative	6	23	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

 Adjusted variance **51.00**

H0: IFNg_LPSdiff1 = IFNg_LPSdiff4
 $z = -0.700$
 Prob > $|z| = 0.4838$
 Exact prob = **0.5469**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	2	9	13.5
Negative	4	18	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IFNg_LPSdiff1 = IFNg_LPSdiff4
 $z = -0.763$
 Prob > $|z|$ = **0.4452**
 Exact prob = **0.5312**

847 .

848 . bysort MHIV: signrank IL2_LPSdiff1 = IL2_LPSdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	23	15
Negative	1	7	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_LPSdiff1 = IL2_LPSdiff2
 $z = 1.161$
 Prob > $|z|$ = **0.2457**
 Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL2_LPSdiff1 = IL2_LPSdiff2
 $z = 0.933$
 Prob > $|z|$ = **0.3508**
 Exact prob = **0.4062**

849 . bysort MHIV: signrank IL2_LPSdiff2 = IL2_LPSdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	15
Negative	2	14	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**Adjustment for ties **0.00**Adjustment for zeros **-3.50**Adjusted variance **47.50**

H0: IL2_LPSdiff2 = IL2_LPSdiff3

z = **0.145**Prob > |z| = **0.8846**Exact prob = **0.9375**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	8	13.5
Negative	4	19	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**Adjustment for ties **0.00**Adjustment for zeros **-0.25**Adjusted variance **34.75**

H0: IL2_LPSdiff2 = IL2_LPSdiff3

z = **-0.933**Prob > |z| = **0.3508**Exact prob = **0.4062**

850 . bysort MHIV: signrank IL2_LPSdiff3 = IL2_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	21	24.5
Negative	4	28	24.5
Zero	3	6	6
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **0.00**Adjustment for zeros **-3.50**Adjusted variance **92.75**

H0: IL2_LPSdiff3 = IL2_LPSdiff4

z = **-0.363**Prob > |z| = **0.7163**Exact prob = **0.7656**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	39	28
Negative	2	17	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-7.50**

Adjusted variance **118.88**

H0: IL2_LPSdiff3 = IL2_LPSdiff4

z = **1.009**Prob > |z| = **0.3130**Exact prob = **0.3594**

851 . bysort MHIV: signrank IL2_LPSdiff1 = IL2_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	26	15
Negative	1	4	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_LPSdiff1 = IL2_LPSdiff4

z = **1.596**Prob > |z| = **0.1105**Exact prob = **0.1250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL2_LPSdiff1 = IL2_LPSdiff4

z = **0.933**Prob > |z| = **0.3508**Exact prob = **0.4062**

852 .


```
853 . bysort MHIV: signrank IL4_LPSdiff1 = IL4_LPSdiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	0	0	18
Negative	8	36	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00
```

```
Adjusted variance      51.00
```

```
H0: IL4_LPSdiff1 = IL4_LPSdiff2
```

```
z = -2.521
```

```
Prob > |z| = 0.0117
```

```
Exact prob = 0.0078
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	1	14
Negative	6	27	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00
```

```
Adjusted variance      35.00
```

```
H0: IL4_LPSdiff1 = IL4_LPSdiff2
```

```
z = -2.197
```

```
Prob > |z| = 0.0280
```

```
Exact prob = 0.0312
```

```
854 . bysort MHIV: signrank IL4_LPSdiff2 = IL4_LPSdiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	21	18
Negative	4	15	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00
```

```
Adjusted variance      51.00
```

```
H0: IL4_LPSdiff2 = IL4_LPSdiff3
```

```
z = 0.420
```

Prob > |z| = **0.6744**
 Exact prob = **0.7422**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL4_LPSdiff2 = IL4_LPSdiff3

z = **0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

855 . bysort MHIV: signrank IL4_LPSdiff3 = IL4_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	27.5
Negative	8	46	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL4_LPSdiff3 = IL4_LPSdiff4

z = **-1.886**

Prob > |z| = **0.0593**

Exact prob = **0.0645**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	22	33
Negative	7	44	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL4_LPSdiff3 = IL4_LPSdiff4

$z = -0.978$
 Prob > $|z| = 0.3281$
 Exact prob = **0.3652**

856 . bysort MHIV: signrank IL4_LPSdiff1 = IL4_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	4	18
Negative	7	32	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_LPSdiff1 = IL4_LPSdiff4

$z = -1.960$
 Prob > $|z| = 0.0499$
 Exact prob = **0.0547**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	5	14
Negative	5	23	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL4_LPSdiff1 = IL4_LPSdiff4

$z = -1.521$
 Prob > $|z| = 0.1282$
 Exact prob = **0.1562**

857 .

858 . bysort MHIV: signrank GMCSF_LPSdiff1= GMCSF_LPSdiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	23	17.5
Negative	2	12	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: GMCSF_LPSdiff1 = GMCSF_LPSdiff2

z = **0.772**

Prob > |z| = **0.4401**

Exact prob = **0.5000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	11	14
Negative	4	17	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: GMCSF_LPSdiff1 = GMCSF_LPSdiff2

z = **-0.507**

Prob > |z| = **0.6121**

Exact prob = **0.6875**

859 . bysort MHIV: signrank GMCSF_LPSdiff2= GMCSF_LPSdiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	13	17.5
Negative	4	22	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: GMCSF_LPSdiff2 = GMCSF_LPSdiff3

z = **-0.632**

Prob > |z| = **0.5276**

Exact prob = **0.5938**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_LPSdiff2 = GMCSF_LPSdiff3

z = **0.933**

Prob > |z| = **0.3508**

Exact prob = **0.4062**

860 . bysort MHIV: signrank GMCSF_LPSdiff3= GMCSF_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	23	27
Negative	5	31	27
Zero	1	1	1
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **96.00**

H0: GMCSF_LPSdiff3 = GMCSF_LPSdiff4

z = **-0.408**

Prob > |z| = **0.6831**

Exact prob = **0.7305**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	31	32.5
Negative	5	34	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **126.25**

H0: GMCSF_LPSdiff3 = GMCSF_LPSdiff4

z = **-0.133**

Prob > |z| = **0.8938**

Exact prob = **0.9316**

861 . bysort MHIV: signrank GMCSF_LPSdiff1= GMCSF_LPSdiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	23	17.5
Negative	2	12	17.5
Zero	1	1	1
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros     -0.25

```

```
Adjusted variance      50.75
```

```
H0: GMCSF_LPSdiff1 = GMCSF_LPSdiff4
```

```
z = 0.772
```

```
Prob > |z| = 0.4401
```

```
Exact prob = 0.5000
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	11	13.5
Negative	3	16	13.5
Zero	1	1	1
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros     -0.25

```

```
Adjusted variance      34.75
```

```
H0: GMCSF_LPSdiff1 = GMCSF_LPSdiff4
```

```
z = -0.424
```

```
Prob > |z| = 0.6715
```

```
Exact prob = 0.7500
```

```
862 .
```

```
end of do-file
```

```
863 . do "/var/folders/3l/x9ydjyz56s78dldtzmgggcjm0000gn/T//SD84808.000000"
```

```
864 . bysort MHIV: signrank IL8_polydiff1 = IL8_polydiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	4	18
Negative	7	32	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      51.00
```

```
H0: IL8_polydiff1 = IL8_polydiff2
```

```
z = -1.960
```

```
Prob > |z| = 0.0499
```

```
Exact prob = 0.0547
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	2	8	14
Negative	5	20	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_polydiff1 = IL8_polydiff2

z = **-1.014**

Prob > |z| = **0.3105**

Exact prob = **0.3750**

865 . bysort MHIV: signrank IL8_polydiff2 = IL8_polydiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	21	18
Negative	3	15	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL8_polydiff2 = IL8_polydiff3

z = **0.420**

Prob > |z| = **0.6744**

Exact prob = **0.7422**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	19	14
Negative	2	9	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL8_polydiff2 = IL8_polydiff3

z = **0.845**

Prob > |z| = **0.3980**

Exact prob = **0.4688**

866 . bysort MHIV: signrank IL8_polydiff3 = IL8_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	26	27.5
Negative	6	29	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **96.25**

H0: IL8_polydiff3 = IL8_polydiff4

z = **-0.153**Prob > |z| = **0.8785**Exact prob = **0.9219**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	42	33
Negative	4	24	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **126.50**

H0: IL8_polydiff3 = IL8_polydiff4

z = **0.800**Prob > |z| = **0.4236**Exact prob = **0.4648**

867 . bysort MHIV: signrank IL8_polydiff1 = IL8_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	10	18
Negative	6	26	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **51.00**

H0: IL8_polydiff1 = IL8_polydiff4

z = **-1.120**Prob > |z| = **0.2626**Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	15	14
Negative	4	13	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **35.00**

H0: IL8_polydiff1 = IL8_polydiff4

z = **0.169**Prob > |z| = **0.8658**Exact prob = **0.9375**

868 .

869 . bysort MHIV: signrank IL10_polydiff1 = IL10_polydiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	13	18
Negative	5	23	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **51.00**

H0: IL10_polydiff1 = IL10_polydiff2

z = **-0.700**Prob > |z| = **0.4838**Exact prob = **0.5469**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	8	14
Negative	4	20	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**Adjustment for ties **0.00**Adjustment for zeros **0.00**Adjusted variance **35.00**

H0: IL10_polydiff1 = IL10_polydiff2

z = **-1.014**Prob > |z| = **0.3105**Exact prob = **0.3750**

```
870 . bysort MHIV: signrank IL10_polydiff2 = IL10_polydiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	5	23	18
Negative	3	13	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00
```

```
Adjusted variance      51.00
```

```
H0: IL10_polydiff2 = IL10_polydiff3
    z = 0.700
Prob > |z| = 0.4838
Exact prob = 0.5469
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	15	14
Negative	3	13	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00
```

```
Adjusted variance      35.00
```

```
H0: IL10_polydiff2 = IL10_polydiff3
    z = 0.169
Prob > |z| = 0.8658
Exact prob = 0.9375
```

```
871 . bysort MHIV: signrank IL10_polydiff3 = IL10_polydiff4
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	8	27.5
Negative	9	47	27.5
Zero	0	0	0
All	10	55	55

```
Unadjusted variance      96.25
Adjustment for ties      0.00
Adjustment for zeros      0.00
```

```
Adjusted variance      96.25
```

```
H0: IL10_polydiff3 = IL10_polydiff4
    z = -1.988
```

Prob > |z| = **0.0469**
 Exact prob = **0.0488**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	6	37	33
Negative	5	29	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL10_polydiff3 = IL10_polydiff4

z = **0.356**

Prob > |z| = **0.7221**

Exact prob = **0.7646**

872 . bysort MHIV: signrank IL10_polydiff1 = IL10_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	12	18
Negative	5	24	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL10_polydiff1 = IL10_polydiff4

z = **-0.840**

Prob > |z| = **0.4008**

Exact prob = **0.4609**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	19	14
Negative	2	9	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL10_polydiff1 = IL10_polydiff4

```

      z = 0.845
Prob > |z| = 0.3980
Exact prob = 0.4688

```

```
873 .
```

```
874 . bysort MHIV: signrank IL6_polydiff1 = IL6_polydiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	5	18
Negative	6	31	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      51.00
```

```
H0: IL6_polydiff1 = IL6_polydiff2
```

```

      z = -1.820
Prob > |z| = 0.0687
Exact prob = 0.0781

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	9	14
Negative	4	19	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      35.00
```

```
H0: IL6_polydiff1 = IL6_polydiff2
```

```

      z = -0.845
Prob > |z| = 0.3980
Exact prob = 0.4688

```

```
875 . bysort MHIV: signrank IL6_polydiff2 = IL6_polydiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	5	26	18
Negative	3	10	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

Adjusted variance **51.00**

H0: IL6_polydiff2 = IL6_polydiff3

z = **1.120**

Prob > |z| = **0.2626**

Exact prob = **0.3125**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL6_polydiff2 = IL6_polydiff3

z = **0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

876 . bysort MHIV: signrank IL6_polydiff3 = IL6_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	27.5
Negative	8	46	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL6_polydiff3 = IL6_polydiff4

z = **-1.886**

Prob > |z| = **0.0593**

Exact prob = **0.0645**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	7	37	33
Negative	4	29	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: IL6_polydiff3 = IL6_polydiff4

z = **0.356**

Prob > |z| = **0.7221**

Exact prob = **0.7646**

877 . bysort MHIV: signrank IL6_polydiff1 = IL6_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	11	18
Negative	6	25	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL6_polydiff1 = IL6_polydiff4

z = **-0.980**

Prob > |z| = **0.3270**

Exact prob = **0.3828**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	16	13.5
Negative	2	11	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL6_polydiff1 = IL6_polydiff4

z = **0.424**

Prob > |z| = **0.6715**

Exact prob = **0.7500**

878 .

879 . bysort MHIV: signrank TNFa_polydiff1 = TNFa_polydiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	8	18
Negative	5	28	18
Zero	0	0	0

All	8	36	36
-----	---	----	----

Unadjusted variance	51.00
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	51.00
-------------------	-------

H0: TNFa_polydiff1 = TNFa_polydiff2

z = -1.400

Prob > |z| = 0.1614

Exact prob = 0.1953

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	8	14
Negative	4	20	14
Zero	0	0	0
All	7	28	28

Unadjusted variance	35.00
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	35.00
-------------------	-------

H0: TNFa_polydiff1 = TNFa_polydiff2

z = -1.014

Prob > |z| = 0.3105

Exact prob = 0.3750

880 . bysort MHIV: signrank TNFa_polydiff2 = TNFa_polydiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	24	18
Negative	3	12	18
Zero	0	0	0
All	8	36	36

Unadjusted variance	51.00
Adjustment for ties	0.00
Adjustment for zeros	0.00

Adjusted variance	51.00
-------------------	-------

H0: TNFa_polydiff2 = TNFa_polydiff3

z = 0.840

Prob > |z| = 0.4008

Exact prob = 0.4609

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	18	14
Negative	2	10	14
Zero	0	0	0

All	7	28	28
-----	---	----	----

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_polydiff2 = TNFa_polydiff3

z = **0.676**

Prob > |z| = **0.4990**

Exact prob = **0.5781**

881 . bysort MHIV: signrank TNFa_polydiff3 = TNFa_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	15	27.5
Negative	7	40	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: TNFa_polydiff3 = TNFa_polydiff4

z = **-1.274**

Prob > |z| = **0.2026**

Exact prob = **0.2324**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	29	33
Negative	7	37	33
Zero	0	0	0
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **126.50**

H0: TNFa_polydiff3 = TNFa_polydiff4

z = **-0.356**

Prob > |z| = **0.7221**

Exact prob = **0.7646**

882 . bysort MHIV: signrank TNFa_polydiff1 = TNFa_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	4	19	18
Negative	4	17	18
Zero	0	0	0
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: TNFa_polydiff1 = TNFa_polydiff4
 z = **0.140**
 Prob > |z| = **0.8886**
 Exact prob = **0.9453**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	16	14
Negative	3	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: TNFa_polydiff1 = TNFa_polydiff4
 z = **0.338**
 Prob > |z| = **0.7353**
 Exact prob = **0.8125**

883 .

884 . bysort MHIV: signrank IFNg_polydiff1 = IFNg_polydiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	17	17.5
Negative	4	18	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IFNg_polydiff1 = IFNg_polydiff2
 z = **-0.070**
 Prob > |z| = **0.9440**
 Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	10	13.5
Negative	3	17	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IFNg_polydiff1 = IFNg_polydiff2
 $z = -0.594$
 Prob > |z| = **0.5527**
 Exact prob = **0.6250**

885 . bysort MHIV: signrank IFNg_polydiff2 = IFNg_polydiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	12	17.5
Negative	4	23	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: IFNg_polydiff2 = IFNg_polydiff3
 $z = -0.772$
 Prob > |z| = **0.4401**
 Exact prob = **0.5000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	18	14
Negative	3	10	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IFNg_polydiff2 = IFNg_polydiff3
 $z = 0.676$
 Prob > |z| = **0.4990**
 Exact prob = **0.5781**

886 . bysort MHIV: signrank IFNg_polydiff3 = IFNg_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	21	26
Negative	5	31	26
Zero	2	3	3
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-1.25**

Adjusted variance **94.88**

H0: IFNg_polydiff3 = IFNg_polydiff4

z = **-0.513**Prob > |z| = **0.6077**Exact prob = **0.6406**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	33	31.5
Negative	4	30	31.5
Zero	2	3	3
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-1.25**

Adjusted variance **125.12**

H0: IFNg_polydiff3 = IFNg_polydiff4

z = **0.134**Prob > |z| = **0.8933**Exact prob = **0.9141**

887 . bysort MHIV: signrank IFNg_polydiff1 = IFNg_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	17.5	17.5
Negative	4	17.5	17.5
Zero	1	1	1
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **-0.12**
 Adjustment for zeros **-0.25**

Adjusted variance **50.62**

H0: IFNg_polydiff1 = IFNg_polydiff4

z = **0.000**Prob > |z| = **1.0000**Exact prob = **1.0000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	16	14
Negative	3	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IFNg_polydiff1 = IFNg_polydiff4

z = **0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

888 .

889 . bysort MHIV: signrank IL2_polydiff1 = IL2_polydiff2

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	14	15
Negative	3	16	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_polydiff1 = IL2_polydiff2

z = **-0.145**

Prob > |z| = **0.8846**

Exact prob = **0.9375**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	6	13.5
Negative	5	21	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: IL2_polydiff1 = IL2_polydiff2

z = **-1.272**

Prob > |z| = **0.2033**

Exact prob = **0.2500**

```
890 . bysort MHIV: signrank IL2_polydiff2 = IL2_polydiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	3	18	15
Negative	2	12	15
Zero	3	6	6
All	8	36	36

```
Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros     -3.50
```

```
Adjusted variance       47.50
```

```
H0: IL2_polydiff2 = IL2_polydiff3
```

```
z = 0.435
```

```
Prob > |z| = 0.6634
```

```
Exact prob = 0.7500
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	19	13.5
Negative	2	8	13.5
Zero	1	1	1
All	7	28	28

```
Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros     -0.25
```

```
Adjusted variance       34.75
```

```
H0: IL2_polydiff2 = IL2_polydiff3
```

```
z = 0.933
```

```
Prob > |z| = 0.3508
```

```
Exact prob = 0.4062
```

```
891 . bysort MHIV: signrank IL2_polydiff3 = IL2_polydiff4
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	26	24.5
Negative	3	23	24.5
Zero	3	6	6
All	10	55	55

```
Unadjusted variance      96.25
Adjustment for ties      0.00
Adjustment for zeros     -3.50
```

```
Adjusted variance       92.75
```

```
H0: IL2_polydiff3 = IL2_polydiff4
```

$z = 0.156$
 Prob > $|z| = 0.8762$
 Exact prob = 0.9219

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	37	28
Negative	2	19	28
Zero	4	10	10
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-7.50**

Adjusted variance **119.00**

H0: IL2_polydiff3 = IL2_polydiff4

$z = 0.825$
 Prob > $|z| = 0.4094$
 Exact prob = 0.4531

892 . bysort MHIV: signrank IL2_polydiff1 = IL2_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	19	15
Negative	2	11	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: IL2_polydiff1 = IL2_polydiff4

$z = 0.580$
 Prob > $|z| = 0.5617$
 Exact prob = 0.6250

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	16	13.5
Negative	2	11	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

```

H0: IL2_polydiff1 = IL2_polydiff4
      z = 0.424
Prob > |z| = 0.6715
Exact prob = 0.7500

```

```
893 .
```

```
894 . bysort MHIV: signrank IL4_polydiff1 = IL4_polydiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	1	18
Negative	7	35	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      51.00
```

```

H0: IL4_polydiff1 = IL4_polydiff2
      z = -2.380
Prob > |z| = 0.0173
Exact prob = 0.0156

```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	1	1	14
Negative	6	27	14
Zero	0	0	0
All	7	28	28

```

Unadjusted variance      35.00
Adjustment for ties      0.00
Adjustment for zeros      0.00

```

```
Adjusted variance      35.00
```

```

H0: IL4_polydiff1 = IL4_polydiff2
      z = -2.197
Prob > |z| = 0.0280
Exact prob = 0.0312

```

```
895 . bysort MHIV: signrank IL4_polydiff2 = IL4_polydiff3
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	5	25	18
Negative	3	11	18
Zero	0	0	0
All	8	36	36

```

Unadjusted variance      51.00
Adjustment for ties      0.00

```

Adjustment for zeros **0.00**

Adjusted variance **51.00**

H0: IL4_polydiff2 = IL4_polydiff3

z = **0.980**

Prob > |z| = **0.3270**

Exact prob = **0.3828**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	16	14
Negative	4	12	14
Zero	0	0	0
All	7	28	28

Unadjusted variance **35.00**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **35.00**

H0: IL4_polydiff2 = IL4_polydiff3

z = **0.338**

Prob > |z| = **0.7353**

Exact prob = **0.8125**

896 . bysort MHIV: signrank IL4_polydiff3 = IL4_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	2	9	27.5
Negative	8	46	27.5
Zero	0	0	0
All	10	55	55

Unadjusted variance **96.25**

Adjustment for ties **0.00**

Adjustment for zeros **0.00**

Adjusted variance **96.25**

H0: IL4_polydiff3 = IL4_polydiff4

z = **-1.886**

Prob > |z| = **0.0593**

Exact prob = **0.0645**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	5	28	32.5
Negative	5	37	32.5
Zero	1	1	1
All	11	66	66

Unadjusted variance **126.50**


```

Adjustment for ties      0.00
Adjustment for zeros    -0.25

```

```
Adjusted variance      126.25
```

```
H0: IL4_polydiff3 = IL4_polydiff4
```

```
z = -0.400
```

```
Prob > |z| = 0.6888
```

```
Exact prob = 0.7324
```

```
897 . bysort MHIV: signrank IL4_polydiff1 = IL4_polydiff4
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	8	18
Negative	6	28	18
Zero	0	0	0
All	8	36	36

```
Unadjusted variance    51.00
```

```
Adjustment for ties    0.00
```

```
Adjustment for zeros    0.00
```

```
Adjusted variance      51.00
```

```
H0: IL4_polydiff1 = IL4_polydiff4
```

```
z = -1.400
```

```
Prob > |z| = 0.1614
```

```
Exact prob = 0.1953
```

```
-> MHIV = 1
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	2	4	14
Negative	5	24	14
Zero	0	0	0
All	7	28	28

```
Unadjusted variance    35.00
```

```
Adjustment for ties    0.00
```

```
Adjustment for zeros    0.00
```

```
Adjusted variance      35.00
```

```
H0: IL4_polydiff1 = IL4_polydiff4
```

```
z = -1.690
```

```
Prob > |z| = 0.0910
```

```
Exact prob = 0.1094
```

```
898 .
```

```
899 . bysort MHIV: signrank GMCSF_polydiff1= GMCSF_polydiff2
```

```
-> MHIV = 0
```

```
Wilcoxon signed-rank test
```

Sign	Obs	Sum ranks	Expected
Positive	4	23	17.5
Negative	3	12	17.5
Zero	1	1	1

All	8	36	36
-----	---	----	----

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **50.75**

H0: GMCSF_polydiff1 = GMCSF_polydiff2

z = **0.772**

Prob > |z| = **0.4401**

Exact prob = **0.5000**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	1	3	13.5
Negative	5	24	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_polydiff1 = GMCSF_polydiff2

z = **-1.781**

Prob > |z| = **0.0749**

Exact prob = **0.0938**

900 . bysort MHIV: signrank GMCSF_polydiff2= GMCSF_polydiff3

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	19	15
Negative	2	11	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_polydiff2 = GMCSF_polydiff3

z = **0.580**

Prob > |z| = **0.5617**

Exact prob = **0.6250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	22	13.5
Negative	2	5	13.5

Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_polydiff2 = GMCSF_polydiff3

z = **1.442**

Prob > |z| = **0.1493**

Exact prob = **0.1875**

901 . bysort MHIV: signrank GMCSF_polydiff3= GMCSF_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	3	9	27
Negative	6	45	27
Zero	1	1	1
All	10	55	55

Unadjusted variance **96.25**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **96.00**

H0: GMCSF_polydiff3 = GMCSF_polydiff4

z = **-1.837**

Prob > |z| = **0.0662**

Exact prob = **0.0742**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	32	30
Negative	4	28	30
Zero	3	6	6
All	11	66	66

Unadjusted variance **126.50**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **123.00**

H0: GMCSF_polydiff3 = GMCSF_polydiff4

z = **0.180**

Prob > |z| = **0.8569**

Exact prob = **0.8984**

902 . bysort MHIV: signrank GMCSF_polydiff1= GMCSF_polydiff4

-> MHIV = 0

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
------	-----	-----------	----------

Positive	3	19	15
Negative	2	11	15
Zero	3	6	6
All	8	36	36

Unadjusted variance **51.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-3.50**

Adjusted variance **47.50**

H0: GMCSF_polydiff1 = GMCSF_polydiff4
 z = **0.580**
 Prob > |z| = **0.5617**
 Exact prob = **0.6250**

-> MHIV = 1

Wilcoxon signed-rank test

Sign	Obs	Sum ranks	Expected
Positive	4	17	13.5
Negative	2	10	13.5
Zero	1	1	1
All	7	28	28

Unadjusted variance **35.00**
 Adjustment for ties **0.00**
 Adjustment for zeros **-0.25**

Adjusted variance **34.75**

H0: GMCSF_polydiff1 = GMCSF_polydiff4
 z = **0.594**
 Prob > |z| = **0.5527**
 Exact prob = **0.6250**

```

903 .
    end of do-file

904 . log close
      name: <unnamed>
      log: /Users/theresarossouw/Documents/Students/Masters/Brandon Kleynhans/Brandon data analysis 25 Feb 202
> 2.smcl
      log type: smcl
      closed on: 25 Feb 2022, 20:25:23

```