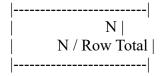**########Bivariate Analysis with Demographic Information##########**

```
> library(gmodels)
> attach(Myopia_DED)

> CrossTable(AgeGroup, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```
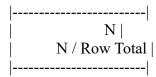
```
   Cell Contents
|-----------------------|
|                     N |
|           N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
             | DEDGroup
   AgeGroup |     0-6 |     7-11 |    12-15 |    16-22 | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
       18-21 |      115 |       32 |        6 |        1 |      154 |
             |   0.747 |   0.208 |   0.039 |   0.006 |   0.435 |
-------------|-----------|-----------|-----------|-----------|-----------|
       22-25 |       72 |       39 |       11 |        0 |      122 |
             |   0.590 |   0.320 |   0.090 |   0.000 |   0.345 |
-------------|-----------|-----------|-----------|-----------|-----------|
       26-29 |       34 |       11 |        3 |        2 |       50 |
             |   0.680 |   0.220 |   0.060 |   0.040 |   0.141 |
-------------|-----------|-----------|-----------|-----------|-----------|
       30-35 |       18 |        7 |        3 |        0 |       28 |
             |   0.643 |   0.250 |   0.107 |   0.000 |   0.079 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 16.92957   d.f. = 9   p = 0.04983045

```
> CrossTable(m1_hd, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

| | DEDGroup | | | | |
m1_hd	0-6	7-11	12-15	16-22	Row Total
Badarganz	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Bagerhat	0	2	0	0	2
	0.000	1.000	0.000	0.000	0.006
Barisal	10	2	1	0	13
	0.769	0.154	0.077	0.000	0.037
Bhola	0	2	2	0	4
	0.000	0.500	0.500	0.000	0.011
Bogra	5	4	1	0	10
	0.500	0.400	0.100	0.000	0.028
Borguna	0	1	1	0	2
	0.000	0.500	0.500	0.000	0.006
Brahmenbaria	4	0	1	0	5
	0.800	0.000	0.200	0.000	0.014
Chandpur	7	2	0	0	9
	0.778	0.222	0.000	0.000	0.025
Chittagong	12	3	2	0	17
	0.706	0.176	0.118	0.000	0.048
Chuadanga	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003

Comilla	13	3	1	1	18
	0.722	0.167	0.056	0.056	0.051
Cox's Bazar	0	1	1	0	2
	0.000	0.500	0.500	0.000	0.006
Dhaka	44	11	7	2	64
	0.688	0.172	0.109	0.031	0.181
Dinajpur	2	2	1	0	5
	0.400	0.400	0.200	0.000	0.014
Faridpur	6	3	0	0	9
	0.667	0.333	0.000	0.000	0.025
Feni	6	2	0	0	8
	0.750	0.250	0.000	0.000	0.023
Gaibandha	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Gazipur	5	1	0	0	6
	0.833	0.167	0.000	0.000	0.017
Gopalganz	5	2	0	0	7
	0.714	0.286	0.000	0.000	0.020
Jamalpur	4	1	0	0	5
	0.800	0.200	0.000	0.000	0.014
Jessore	6	0	0	0	6
	1.000	0.000	0.000	0.000	0.017
Jhalokathi	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Jhenaidah	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Joypurhat	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Kashmir	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Khagrachari	1	2	0	0	3
	0.333	0.667	0.000	0.000	0.008
Khulna	6	1	0	0	7

	0.857	0.143	0.000	0.000	0.020
Kishoreganz	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Korea	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Kurigram	2	1	0	0	3
	0.667	0.333	0.000	0.000	0.008
Kushtia	3	1	0	0	4
	0.750	0.250	0.000	0.000	0.011
Lalmonirhat	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Laxmipur	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Madaripur	10	1	0	0	11
	0.909	0.091	0.000	0.000	0.031
Magura	0	2	0	0	2
	0.000	1.000	0.000	0.000	0.006
Manikganz	3	1	0	0	4
	0.750	0.250	0.000	0.000	0.011
Modhupur	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Mohonganz	0	1	0	0	1
	0.000	1.000	0.000	0.000	0.003
Mongla	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Munshiganz	4	3	1	0	8
	0.500	0.375	0.125	0.000	0.023
Mymensingh	2	6	0	0	8
	0.250	0.750	0.000	0.000	0.023
Naogaon	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Narail	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006

Narayanganz	3	3	0	0	6
	0.500	0.500	0.000	0.000	0.017
Natore	3	0	0	0	3
	1.000	0.000	0.000	0.000	0.008
Netrokona	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Nilphamari	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Noakhali	6	3	0	0	9
	0.667	0.333	0.000	0.000	0.025
Norsingdi	5	1	0	0	6
	0.833	0.167	0.000	0.000	0.017
Nowga	0	1	0	0	1
	0.000	1.000	0.000	0.000	0.003
Pabna	3	2	1	0	6
	0.500	0.333	0.167	0.000	0.017
Panchagor	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Patuakhali	2	1	0	0	3
	0.667	0.333	0.000	0.000	0.008
Pirojpur	3	1	0	0	4
	0.750	0.250	0.000	0.000	0.011
Rajbari	2	2	0	0	4
	0.500	0.500	0.000	0.000	0.011
Rajshahi	1	2	0	0	3
	0.333	0.667	0.000	0.000	0.008
Rangpur	3	1	1	0	5
	0.600	0.200	0.200	0.000	0.014
Santahar	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Satkhira	2	0	0	0	2
	1.000	0.000	0.000	0.000	0.006
Shariatpur	2	1	0	0	3
	0.667	0.333	0.000	0.000	0.008

```
-------------|-----------|-----------|-----------|-----------|----------|
  Shoriatpur |       2 |        0 |        0 |        0 |       2 |
             |   1.000 |    0.000 |    0.000 |    0.000 |   0.006 |
-------------|-----------|-----------|-----------|-----------|----------|
   Sirajganz |       2 |        1 |        0 |        0 |       3 |
             |   0.667 |    0.333 |    0.000 |    0.000 |   0.008 |
-------------|-----------|-----------|-----------|-----------|----------|
     Syedpur |       1 |        0 |        0 |        0 |       1 |
             |   1.000 |    0.000 |    0.000 |    0.000 |   0.003 |
-------------|-----------|-----------|-----------|-----------|----------|
      Sylhet |       6 |        1 |        1 |        0 |       8 |
             |   0.750 |    0.125 |    0.125 |    0.000 |   0.023 |
-------------|-----------|-----------|-----------|-----------|----------|
     Tangail |       5 |        6 |        1 |        0 |      12 |
             |   0.417 |    0.500 |    0.083 |    0.000 |   0.034 |
-------------|-----------|-----------|-----------|-----------|----------|
  Thakurgaon |       2 |        2 |        0 |        0 |       4 |
             |   0.500 |    0.500 |    0.000 |    0.000 |   0.011 |
-------------|-----------|-----------|-----------|-----------|----------|
Column Total |     239 |       89 |       23 |        3 |     354 |
-------------|-----------|-----------|-----------|-----------|----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 132.9043   d.f. = 195   p = 0.9997871

```
> CrossTable(m1_marital, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
   Cell Contents
|-------------------------|
|                       N |
|           N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

```
             | DEDGroup
   m1_marital |      0-6 |     7-11 |    12-15 |    16-22 | Row Total |
-------------|----------|----------|----------|----------|-----------|
          1 |      47 |      17 |      6 |      2 |      72 |
             |   0.653 |   0.236 |   0.083 |   0.028 |   0.203 |
-------------|----------|----------|----------|----------|-----------|
          2 |     182 |      70 |     15 |      1 |     268 |
             |   0.679 |   0.261 |   0.056 |   0.004 |   0.757 |
-------------|----------|----------|----------|----------|-----------|
          3 |       4 |       2 |      1 |      0 |       7 |
             |   0.571 |   0.286 |   0.143 |   0.000 |   0.020 |
-------------|----------|----------|----------|----------|-----------|
          4 |       6 |       0 |      1 |      0 |       7 |
             |   0.857 |   0.000 |   0.143 |   0.000 |   0.020 |
-------------|----------|----------|----------|----------|-----------|
Column Total |     239 |      89 |     23 |      3 |     354 |
-------------|----------|----------|----------|----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 8.487053   d.f. = 9   p = 0.485903

```
> CrossTable(m1_preg, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m1_preg	0-6	7-11	12-15	16-22	Row Total
1	15	1	3	1	20
	0.750	0.050	0.150	0.050	0.056
2	109	37	13	1	160
	0.681	0.231	0.081	0.006	0.452
3	115	51	7	1	174
	0.661	0.293	0.040	0.006	0.492
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 13.74891   d.f. = 6   p = 0.03257027

```
> CrossTable(m1_edu, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
   Cell Contents
|-------------------------|
|                      N |
|          N / Row Total |
|-------------------------|


Total Observations in Table:  354


             | DEDGroup
     m1_edu |     0-6 |    7-11 |    12-15 |    16-22 | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
         3 |       89 |      25 |        5 |        1 |      120 |
           |   0.742 |   0.208 |    0.042 |    0.008 |    0.339 |
-------------|-----------|-----------|-----------|-----------|-----------|
         4 |      150 |      64 |       18 |        2 |      234 |
           |   0.641 |   0.274 |    0.077 |    0.009 |    0.661 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |      239 |      89 |       23 |        3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  4.048024     d.f. =  3     p =  0.2563249
```

```
> CrossTable(m1_dad_edu, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

| | DEDGroup
m1_dad_edu	0-6	7-11	12-15	16-22	Row Total
1	0	1	0	0	1
	0.000	1.000	0.000	0.000	0.003
2	6	2	0	0	8
	0.750	0.250	0.000	0.000	0.023
3	31	16	0	0	47
	0.660	0.340	0.000	0.000	0.133
4	192	67	22	3	284
	0.676	0.236	0.077	0.011	0.802
5	9	2	1	0	12
	0.750	0.167	0.083	0.000	0.034
6	1	1	0	0	2
	0.500	0.500	0.000	0.000	0.006
Column Total	239	89	23	3	354
```

Statistics for All Table Factors

Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  11.01742    d.f. =  15    p =  0.7513586

```
> CrossTable(m1_dad_occup, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
```
|-------------------------|
|                       N |
|           N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

	DEDGroup				
m1_dad_occup	0-6	7-11	12-15	16-22	Row Total
1	49	23	5	1	78
	0.628	0.295	0.064	0.013	0.220
2	53	18	5	0	76
	0.697	0.237	0.066	0.000	0.215
3	99	36	11	2	148
	0.669	0.243	0.074	0.014	0.418
4	11	4	0	0	15
	0.733	0.267	0.000	0.000	0.042
5	26	8	2	0	36
	0.722	0.222	0.056	0.000	0.102
6	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 4.73672   d.f. = 15   p = 0.9941305

```
> CrossTable(m1_mom_edu, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
```
|-------------------------|
|                       N |
|           N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

```
             | DEDGroup
 m1_mom_edu |     0-6 |    7-11 |   12-15 |   16-22 | Row Total |
-------------|---------|---------|---------|---------|-----------|
          1 |      3  |      3  |      1  |      0  |       7   |
            |  0.429  |  0.429  |  0.143  |  0.000  |   0.020   |
-------------|---------|---------|---------|---------|-----------|
          2 |     26  |      4  |      0  |      0  |      30   |
            |  0.867  |  0.133  |  0.000  |  0.000  |   0.085   |
-------------|---------|---------|---------|---------|-----------|
          3 |     73  |     28  |      3  |      0  |     104   |
            |  0.702  |  0.269  |  0.029  |  0.000  |   0.294   |
-------------|---------|---------|---------|---------|-----------|
          4 |    128  |     50  |     19  |      3  |     200   |
            |  0.640  |  0.250  |  0.095  |  0.015  |   0.565   |
-------------|---------|---------|---------|---------|-----------|
          5 |      8  |      3  |      0  |      0  |      11   |
            |  0.727  |  0.273  |  0.000  |  0.000  |   0.031   |
-------------|---------|---------|---------|---------|-----------|
          6 |      1  |      1  |      0  |      0  |       2   |
            |  0.500  |  0.500  |  0.000  |  0.000  |   0.006   |
-------------|---------|---------|---------|---------|-----------|
Column Total |    239  |     89  |     23  |      3  |     354   |
-------------|---------|---------|---------|---------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 16.67574   d.f. = 15   p = 0.3386151

```
> CrossTable(m1_mom_occup, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-------------------------|
|                     N |
|         N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

```
             | DEDGroup
m1_mom_occup |     0-6 |    7-11 |   12-15 |   16-22 | Row Total |
-------------|---------|---------|---------|---------|-----------|
          1 |      22 |      10 |       2 |       2 |        36 |
            |   0.611 |   0.278 |   0.056 |   0.056 |     0.102 |
-------------|---------|---------|---------|---------|-----------|
          2 |      30 |      11 |       1 |       1 |        43 |
            |   0.698 |   0.256 |   0.023 |   0.023 |     0.121 |
-------------|---------|---------|---------|---------|-----------|
          3 |     157 |      56 |      20 |       0 |       233 |
            |   0.674 |   0.240 |   0.086 |   0.000 |     0.658 |
-------------|---------|---------|---------|---------|-----------|
          4 |       8 |       0 |       0 |       0 |         8 |
            |   1.000 |   0.000 |   0.000 |   0.000 |     0.023 |
-------------|---------|---------|---------|---------|-----------|
          5 |       8 |       4 |       0 |       0 |        12 |
            |   0.667 |   0.333 |   0.000 |   0.000 |     0.034 |
-------------|---------|---------|---------|---------|-----------|
          6 |      14 |       8 |       0 |       0 |        22 |
            |   0.636 |   0.364 |   0.000 |   0.000 |     0.062 |
-------------|---------|---------|---------|---------|-----------|
Column Total |     239 |      89 |      23 |       3 |       354 |
-------------|---------|---------|---------|---------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 23.54864   d.f. = 15   p = 0.07316565

```
> CrossTable(m1_fin_cond, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-------------------------|
|                       N |
|           N / Row Total |
|-------------------------|


Total Observations in Table:  354


             | DEDGroup
 m1_fin_cond |     0-6 |    7-11 |   12-15 |   16-22 | Row Total |
-------------|---------|---------|---------|---------|-----------|
           1 |      30 |       7 |       5 |       2 |        44 |
             |   0.682 |   0.159 |   0.114 |   0.045 |     0.124 |
-------------|---------|---------|---------|---------|-----------|
           2 |      92 |      45 |      11 |       1 |       149 |
             |   0.617 |   0.302 |   0.074 |   0.007 |     0.421 |
-------------|---------|---------|---------|---------|-----------|
           3 |     103 |      32 |       7 |       0 |       142 |
             |   0.725 |   0.225 |   0.049 |   0.000 |     0.401 |
-------------|---------|---------|---------|---------|-----------|
           4 |      10 |       5 |       0 |       0 |        15 |
             |   0.667 |   0.333 |   0.000 |   0.000 |     0.042 |
-------------|---------|---------|---------|---------|-----------|
           5 |       4 |       0 |       0 |       0 |         4 |
             |   1.000 |   0.000 |   0.000 |   0.000 |     0.011 |
-------------|---------|---------|---------|---------|-----------|
Column Total |     239 |      89 |      23 |       3 |       354 |
-------------|---------|---------|---------|---------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  18.76766     d.f. =  12     p =  0.09429196
```

```
> CrossTable(m1_fam_type, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
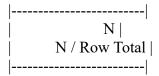+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


            | DEDGroup
m1_fam_type |     0-6 |    7-11 |   12-15 |   16-22 | Row Total |
------------|---------|---------|---------|---------|-----------|
         1 |     142 |     47 |      11 |      3 |      203 |
           |   0.700 |  0.232 |   0.054 |  0.015 |    0.573 |
------------|---------|---------|---------|---------|-----------|
         2 |      85 |     38 |      11 |      0 |      134 |
           |   0.634 |  0.284 |   0.082 |  0.000 |    0.379 |
------------|---------|---------|---------|---------|-----------|
         3 |      11 |      2 |       1 |      0 |       14 |
           |   0.786 |  0.143 |   0.071 |  0.000 |    0.040 |
------------|---------|---------|---------|---------|-----------|
         4 |       1 |      2 |       0 |      0 |        3 |
           |   0.333 |  0.667 |   0.000 |  0.000 |    0.008 |
------------|---------|---------|---------|---------|-----------|
Column Total |   239 |     89 |      23 |      3 |      354 |
------------|---------|---------|---------|---------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

$Chi^2 = 8.269631$ d.f. $= 9$ $p = 0.507219$

########Bivariate Analysis with Socio-economic Information##########

```
> CrossTable(a$FamMemGroup, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

	DEDGroup				
a$FamMemGroup	No	Mild	Moderate	Severe	Row Total
Below 5	92	29	8	1	130
	0.708	0.223	0.062	0.008	0.367
5-7	95	42	9	0	146
	0.651	0.288	0.062	0.000	0.412
8 or More	52	18	6	2	78
	0.667	0.231	0.077	0.026	0.220
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 5.831429   d.f. = 6   p = 0.4423362

```
> CrossTable(a$ChildGroup, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

 Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
a$ChildGroup	No	Mild	Moderate	Severe	Row Total
Below 2	165	58	17	1	241
	0.685	0.241	0.071	0.004	0.681
2-4	67	29	3	1	100
	0.670	0.290	0.030	0.010	0.282
5 or More	7	2	3	1	13
	0.538	0.154	0.231	0.077	0.037
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 16.83518   d.f. = 6   p = 0.009908456

```
> CrossTable(a$OlderGroup, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
             | DEDGroup
a$OlderGroup |      No |     Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
     Below 3 |     224 |       85 |       22 |        3 |      334 |
             |   0.671 |    0.254 |    0.066 |    0.009 |    0.944 |
-------------|-----------|-----------|-----------|-----------|-----------|
   3 or More |      15 |        4 |        1 |        0 |       20 |
             |   0.750 |    0.200 |    0.050 |    0.000 |    0.056 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |     239 |       89 |       23 |        3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 0.65158   d.f. = 3   p = 0.8845293

```
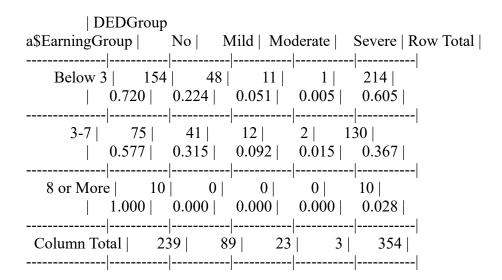> CrossTable(a$EarningGroup, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
a$EarningGroup	No	Mild	Moderate	Severe	Row Total
Below 3	154	48	11	1	214
	0.720	0.224	0.051	0.005	0.605
3-7	75	41	12	2	130
	0.577	0.315	0.092	0.015	0.367
8 or More	10	0	0	0	10
	1.000	0.000	0.000	0.000	0.028
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 13.23744   d.f. = 6   p = 0.0394166

```
> CrossTable(a$IncomeGroup, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

a$IncomeGroup	DEDGroup No	Mild	Moderate	Severe	Row Total
Below 100000	82	20	6	2	110
	0.745	0.182	0.055	0.018	0.311
100000-200000	100	44	6	0	150
	0.667	0.293	0.040	0.000	0.424
200001-400000	40	22	9	0	71
	0.563	0.310	0.127	0.000	0.201
400001 or More	17	3	2	1	23
	0.739	0.130	0.087	0.043	0.065
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 20.13397   d.f. = 9   p = 0.01710342

########Bivariate Analysis with Clinical Treatment Information##########

```
> CrossTable(m3a_cdc, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
```
|-----------------------|
|                     N |
|           N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
            | DEDGroup
    m3a_cdc |      No |     Mild | Moderate |   Severe | Row Total |
------------|----------|----------|----------|----------|----------|
          1 |      65 |      31 |      15 |       2 |      113 |
            |   0.575 |   0.274 |   0.133 |   0.018 |   0.319 |
------------|----------|----------|----------|----------|----------|
          2 |     174 |      58 |       8 |       1 |      241 |
            |   0.722 |   0.241 |   0.033 |   0.004 |   0.681 |
------------|----------|----------|----------|----------|----------|
Column Total |     239 |      89 |      23 |       3 |      354 |
------------|----------|----------|----------|----------|----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

$Chi^2 = 16.20184$ d.f. = 3   p = 0.001030889

```
> CrossTable(m3a_diabetes, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

| | DEDGroup
m3a_diabetes	No	Mild	Moderate	Severe	Row Total
1	23	3	4	2	32
	0.719	0.094	0.125	0.062	0.090
2	216	86	19	1	322
	0.671	0.267	0.059	0.003	0.910
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 17.64498   d.f. = 3   p = 0.0005205831

```
> CrossTable(m3a_ckd, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

         | DEDGroup
m3a_ckd	No	Mild	Moderate	Severe	Row Total
1	3	1	2	0	6
	0.500	0.167	0.333	0.000	0.017
2	236	88	21	3	348
	0.678	0.253	0.060	0.009	0.983
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 7.268747   d.f. = 3   p = 0.06380772
```

```
> CrossTable(m3a_chd, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

             | DEDGroup
m3a_chd	No	Mild	Moderate	Severe	Row Total
1	7	1	0	0	8
	0.875	0.125	0.000	0.000	0.023
2	232	88	23	3	346
	0.671	0.254	0.066	0.009	0.977
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 1.605653   d.f. = 3   p = 0.6581088

```
> CrossTable(m3a_htn, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
  Cell Contents
|-----------------------|
|                     N |
|          N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
              | DEDGroup
     m3a_htn |      No |      Mild |  Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
           1 |      43 |       20 |       11 |       2 |       76 |
             |   0.566 |    0.263 |    0.145 |    0.026 |    0.215 |
-------------|-----------|-----------|-----------|-----------|-----------|
           2 |     196 |       69 |       12 |       1 |      278 |
             |   0.705 |    0.248 |    0.043 |    0.004 |    0.785 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |     239 |       89 |       23 |       3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 14.87921   d.f. = 3   p = 0.001922833

```
> CrossTable(m3a_stroke, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


            | DEDGroup
  m3a_stroke |       No |     Mild |  Moderate |    Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
          1 |        3 |        0 |        0 |        0 |        3 |
            |    1.000 |    0.000 |    0.000 |    0.000 |    0.008 |
-------------|-----------|-----------|-----------|-----------|-----------|
          2 |      236 |       89 |       23 |        3 |      351 |
            |    0.672 |    0.254 |    0.066 |    0.009 |    0.992 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  1.455852     d.f. =  3     p =  0.6924964
```

```
> CrossTable(m3a_resp, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

          | DEDGroup
m3a_resp	No	Mild	Moderate	Severe	Row Total
1	33	13	7	1	54
	0.611	0.241	0.130	0.019	0.153
2	206	76	16	2	300
	0.687	0.253	0.053	0.007	0.847
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 5.274425   d.f. = 3   p = 0.1527706

```
> CrossTable(m3a_other, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
             | DEDGroup
   m3a_other |      No |     Mild | Moderate |    Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
          1 |      14 |       9 |       3 |       0 |       26 |
             |   0.538 |   0.346 |   0.115 |   0.000 |    0.073 |
-------------|-----------|-----------|-----------|-----------|-----------|
          2 |     225 |      80 |      20 |       3 |      328 |
             |   0.686 |   0.244 |   0.061 |   0.009 |    0.927 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |     239 |      89 |      23 |       3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 3.113736   d.f. = 3   p = 0.3744195

```
> CrossTable(m3b_ocu_inf, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

             | DEDGroup
m3b_ocu_inf	No	Mild	Moderate	Severe	Row Total
1	46	35	6	1	88
	0.523	0.398	0.068	0.011	0.249
2	193	54	17	2	266
	0.726	0.203	0.064	0.008	0.751
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 14.13577   d.f. = 3   p = 0.002726051

```
> CrossTable(m3b_all_conj, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

             | DEDGroup
m3b_all_conj	No	Mild	Moderate	Severe	Row Total
1	81	45	14	2	142
	0.570	0.317	0.099	0.014	0.401
2	158	44	9	1	212
	0.745	0.208	0.042	0.005	0.599
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 12.90172   d.f. = 3   p = 0.004854031
```

```
> CrossTable(m3b_other_prob, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-------------------------|
|                       N |
|          N / Row Total  |
|-------------------------|
```

Total Observations in Table: 354

```
               | DEDGroup
m3b_other_prob |       No |     Mild | Moderate |   Severe | Row Total |
---------------|----------|----------|----------|----------|-----------|
             1 |       18 |       12 |        2 |        0 |        32 |
               |    0.562 |    0.375 |    0.062 |    0.000 |     0.090 |
---------------|----------|----------|----------|----------|-----------|
             2 |      221 |       77 |       21 |        3 |       322 |
               |    0.686 |    0.239 |    0.065 |    0.009 |     0.910 |
---------------|----------|----------|----------|----------|-----------|
  Column Total |      239 |       89 |       23 |        3 |       354 |
---------------|----------|----------|----------|----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 3.099865   d.f. = 3   p = 0.3764827

```
> CrossTable(m3a_med_cdc, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m3a_med_cdc	No	Mild	Moderate	Severe	Row Total
1	52	23	12	2	89
	0.584	0.258	0.135	0.022	0.251
2	187	66	11	1	265
	0.706	0.249	0.042	0.004	0.749
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 13.15658   d.f. = 3   p = 0.004309936

```
> CrossTable(m3b_anthis, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


             | DEDGroup
  m3b_anthis |       No |     Mild | Moderate |   Severe | Row Total |
-------------|----------|----------|----------|----------|-----------|
           1 |       62 |       39 |       12 |        1 |       114 |
             |    0.544 |    0.342 |    0.105 |    0.009 |     0.322 |
-------------|----------|----------|----------|----------|-----------|
           2 |      177 |       50 |       11 |        2 |       240 |
             |    0.738 |    0.208 |    0.046 |    0.008 |     0.678 |
-------------|----------|----------|----------|----------|-----------|
Column Total |      239 |       89 |       23 |        3 |       354 |
-------------|----------|----------|----------|----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  13.99686     d.f. =  3     p =  0.002909425
```

```
> CrossTable(m3b_antchol, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)


   Cell Contents
|-------------------------|
|                      N |
|          N / Row Total |
|-------------------------|


Total Observations in Table:  354


             | DEDGroup
 m3b_antchol |      No |     Mild | Moderate |   Severe | Row Total |
-------------|----------|----------|----------|----------|----------|
          1 |      42 |      19 |       6 |       1 |      68 |
            |   0.618 |   0.279 |   0.088 |   0.015 |   0.192 |
-------------|----------|----------|----------|----------|----------|
          2 |     196 |      70 |      17 |       2 |     285 |
            |   0.688 |   0.246 |   0.060 |   0.007 |   0.805 |
-------------|----------|----------|----------|----------|----------|
          4 |       1 |       0 |       0 |       0 |       1 |
            |   1.000 |   0.000 |   0.000 |   0.000 |   0.003 |
-------------|----------|----------|----------|----------|----------|
Column Total |     239 |      89 |      23 |       3 |     354 |
-------------|----------|----------|----------|----------|----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 2.204695   d.f. = 6   p = 0.8999431

```
> CrossTable(m3b_tsteroid, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

              | DEDGroup
m3b_tsteroid	No	Mild	Moderate	Severe	Row Total
1	16	15	3	1	35
	0.457	0.429	0.086	0.029	0.099
2	223	74	20	2	319
	0.699	0.232	0.063	0.006	0.901
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 9.690864   d.f. = 3   p = 0.02138522

```
> CrossTable(m3b_antglc, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
  Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
            | DEDGroup
  m3b_antglc |       No |     Mild | Moderate |   Severe | Row Total |
-------------|----------|----------|----------|----------|----------|
          1 |       10 |        8 |        4 |        0 |       22 |
             |    0.455 |    0.364 |    0.182 |    0.000 |    0.062 |
-------------|----------|----------|----------|----------|----------|
          2 |      229 |       81 |       19 |        3 |      332 |
             |    0.690 |    0.244 |    0.057 |    0.009 |    0.938 |
-------------|----------|----------|----------|----------|----------|
Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|----------|----------|----------|----------|----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 7.994071   d.f. = 3   p = 0.04613439

```
> CrossTable(m3b_other, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

  Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m3b_other	No	Mild	Moderate	Severe	Row Total
1	13	3	3	0	19
	0.684	0.158	0.158	0.000	0.054
2	226	86	20	3	335
	0.675	0.257	0.060	0.009	0.946
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

$Chi^2 = 3.539304$ d.f. = 3 $p = 0.3157002$

```
> CrossTable(m3a1_hcdc, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m3a1_hcdc	No	Mild	Moderate	Severe	Row Total
1	159	70	17	2	248
	0.641	0.282	0.069	0.008	0.701
2	80	19	6	1	106
	0.755	0.179	0.057	0.009	0.299
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 4.733006   d.f. = 3   p = 0.1924247

```
> CrossTable(m3a1_wcdc, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
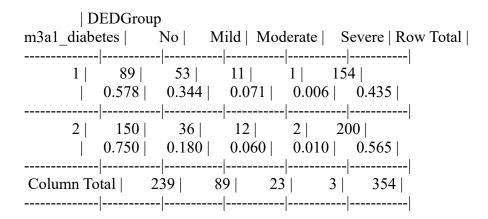+           prop.chisq=F,
+           chisq=T)
```

  Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

| | DEDGroup
m3a1_wcdc	No	Mild	Moderate	Severe	Row Total
1	41	5	0	0	46
	0.891	0.109	0.000	0.000	0.130
2	67	28	3	0	98
	0.684	0.286	0.031	0.000	0.277
3	63	43	14	2	122
	0.516	0.352	0.115	0.016	0.345
4	68	13	6	1	88
	0.773	0.148	0.068	0.011	0.249
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 33.53902   d.f. = 9   p = 0.000107556

```
> CrossTable(m3a1_diabetes, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

              | DEDGroup
m3a1_diabetes	No	Mild	Moderate	Severe	Row Total
1	89	53	11	1	154
	0.578	0.344	0.071	0.006	0.435
2	150	36	12	2	200
	0.750	0.180	0.060	0.010	0.565
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 13.44262   d.f. = 3   p = 0.003770928

```
> CrossTable(m3a1_ckd, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-------------------------|
|                      N |
|          N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

m3a1_ckd	DEDGroup No	Mild	Moderate	Severe	Row Total
1	17	7	2	0	26
	0.654	0.269	0.077	0.000	0.073
2	222	82	20	3	327
	0.679	0.251	0.061	0.009	0.924
3	0	0	1	0	1
	0.000	0.000	1.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 14.81842   d.f. = 6   p = 0.02171697

```
> CrossTable(m3a1_chd, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|------------------------|
| N |
N / Row Total

Total Observations in Table: 354

          | DEDGroup
m3a1_chd	No	Mild	Moderate	Severe	Row Total
1	20	19	3	0	42
	0.476	0.452	0.071	0.000	0.119
2	219	70	19	3	311
	0.704	0.225	0.061	0.010	0.879
3	0	0	1	0	1
	0.000	0.000	1.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 25.35218   d.f. = 6   p = 0.0002938012
```

```
> CrossTable(m3a1_htn, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

              | DEDGroup
m3a1_htn	No	Mild	Moderate	Severe	Row Total
1	112	47	13	2	174
	0.644	0.270	0.075	0.011	0.492
2	127	42	10	1	180
	0.706	0.233	0.056	0.006	0.508
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 1.845794   d.f. = 3   p = 0.6050206

```
> CrossTable(m3a1_stroke, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-------------------------|
|                       N |
|           N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

	DEDGroup				
m3a1_stroke	No	Mild	Moderate	Severe	Row Total
1	30	10	7	1	48
	0.625	0.208	0.146	0.021	0.136
2	209	79	15	2	305
	0.685	0.259	0.049	0.007	0.862
3	0	0	1	0	1
	0.000	0.000	1.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 22.03926   d.f. = 6   p = 0.001191197

```
> CrossTable(m3a1_resp, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m3a1_resp	No	Mild	Moderate	Severe	Row Total
1	60	23	5	1	89
	0.674	0.258	0.056	0.011	0.251
2	179	66	17	2	264
	0.678	0.250	0.064	0.008	0.746
3	0	0	1	0	1
	0.000	0.000	1.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 14.6267   d.f. = 6   p = 0.02336758

```
> CrossTable(m3a1_other, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

| | DEDGroup
m3a1_other	No	Mild	Moderate	Severe	Row Total
1	16	8	2	0	26
	0.615	0.308	0.077	0.000	0.073
2	223	81	20	3	327
	0.682	0.248	0.061	0.009	0.924
3	0	0	1	0	1
	0.000	0.000	1.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 15.26618   d.f. = 6   p = 0.01828444

```
> CrossTable(m3_otl6m, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  353


          | DEDGroup
 m3_otl6m |      No |    Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
         1 |      65 |      45 |      12 |       3 |     125 |
           |   0.520 |   0.360 |   0.096 |   0.024 |   0.354 |
-------------|-----------|-----------|-----------|-----------|-----------|
         2 |     174 |      43 |      11 |       0 |     228 |
           |   0.763 |   0.189 |   0.048 |   0.000 |   0.646 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |     239 |      88 |      23 |       3 |     353 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  24.86322    d.f. =  3    p =  1.64914e-05
```

########Bivariate Analysis with MQ Domain 1: Refractive Error##########

```
> CrossTable(m4d1_wg, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

| | DEDGroup |
m4d1_wg	No	Mild	Moderate	Severe	Row Total
1	159	77	20	2	258
	0.616	0.298	0.078	0.008	0.729
2	80	12	3	1	96
	0.833	0.125	0.031	0.010	0.271
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 15.61876   d.f. = 3   p = 0.001357432

```
> CrossTable(m4d1_wgcos, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

           | DEDGroup
m4d1_wgcos	No	Mild	Moderate	Severe	Row Total
1	83	30	8	1	122
	0.680	0.246	0.066	0.008	0.345
2	156	59	15	2	232
	0.672	0.254	0.065	0.009	0.655
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 0.03263787   d.f. = 3   p = 0.9984471
```

```
> CrossTable(m4d1_wgrer, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m4d1_wgrer	No	Mild	Moderate	Severe	Row Total
1	102	54	15	2	173
	0.590	0.312	0.087	0.012	0.489
2	137	35	8	1	181
	0.757	0.193	0.044	0.006	0.511
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

$Chi^2 = 11.47054$ d.f. = 3   p = 0.009435515

```
> CrossTable(m4d1_wgthep, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m4d1_wgthep	No	Mild	Moderate	Severe	Row Total
1	55	44	8	0	107
	0.514	0.411	0.075	0.000	0.302
2	184	45	15	3	247
	0.745	0.182	0.061	0.012	0.698
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 22.99924   d.f. = 3   p = 4.039772e-05

```
> CrossTable(m4d1_wcl, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


             | DEDGroup
    m4d1_wcl |       No |     Mild | Moderate |    Severe | Row Total |
-------------|----------|----------|----------|----------|----------|
          1 |       72 |       38 |       12 |        2 |      124 |
             |    0.581 |    0.306 |    0.097 |    0.016 |    0.350 |
-------------|----------|----------|----------|----------|----------|
          2 |      167 |       51 |       11 |        1 |      230 |
             |    0.726 |    0.222 |    0.048 |    0.004 |    0.650 |
-------------|----------|----------|----------|----------|----------|
Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|----------|----------|----------|----------|----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  9.11428     d.f. =  3     p =  0.02780944
```

```
> CrossTable(m4d1_wclcos, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

            | DEDGroup
m4d1_wclcos	No	Mild	Moderate	Severe	Row Total
1	50	26	7	0	83
	0.602	0.313	0.084	0.000	0.234
2	189	63	16	3	271
	0.697	0.232	0.059	0.011	0.766
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 4.043336   d.f. = 3   p = 0.2568224

```
> CrossTable(m4d1_wclrer, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m4d1_wclrer	No	Mild	Moderate	Severe	Row Total
1	26	12	9	1	48
	0.542	0.250	0.188	0.021	0.136
2	213	77	14	2	306
	0.696	0.252	0.046	0.007	0.864
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 15.29786   d.f. = 3   p = 0.001579011

```
> CrossTable(m4d1_wclthep, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

	DEDGroup				
m4d1_wclthep	No	Mild	Moderate	Severe	Row Total
1	11	5	3	2	21
	0.524	0.238	0.143	0.095	0.059
2	228	84	20	1	333
	0.685	0.252	0.060	0.003	0.941
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 22.68788   d.f. = 3   p = 4.690718e-05

```
> CrossTable(m4d1_tcls, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-----------------------|
|                    N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


          | DEDGroup
  m4d1_tcls |      No |    Mild |  Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
         1 |      45 |     22 |      5 |      2 |      74 |
           |   0.608 |   0.297 |   0.068 |   0.027 |   0.209 |
-------------|-----------|-----------|-----------|-----------|-----------|
         2 |     194 |     67 |     18 |      1 |     280 |
           |   0.693 |   0.239 |   0.064 |   0.004 |   0.791 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |     239 |     89 |     23 |      3 |     354 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  5.215667    d.f. =  3    p =  0.1566692
```

```
> CrossTable(m4d1_tclr, DEDGroup,
+            prop.r=T,
+            prop.t=F,
+            prop.c=F,
+            prop.chisq=F,
+            chisq=T)
```

```
  Cell Contents
|-----------------------|
|                     N |
|          N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
              | DEDGroup
  m4d1_tclr |       No |     Mild | Moderate |   Severe | Row Total |
-------------|----------|----------|----------|----------|----------|
          1 |      24 |       7 |       5 |       1 |      37 |
            |    0.649 |   0.189 |   0.135 |   0.027 |   0.105 |
-------------|----------|----------|----------|----------|----------|
          2 |     215 |      82 |      18 |       2 |     317 |
            |    0.678 |   0.259 |   0.057 |   0.006 |   0.895 |
-------------|----------|----------|----------|----------|----------|
Column Total |     239 |      89 |      23 |       3 |     354 |
-------------|----------|----------|----------|----------|----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 5.488111   d.f. = 3   p = 0.1393515

```
> CrossTable(m4d1_tclthep, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)


  Cell Contents
|-------------------------|
|                      N |
|          N / Row Total |
|-------------------------|


Total Observations in Table:  354


             | DEDGroup
m4d1_tclthep |      No |     Mild | Moderate |    Severe | Row Total |
-------------|----------|----------|----------|----------|----------|
           1 |      18 |      14 |       4 |       0 |      36 |
             |   0.500 |   0.389 |   0.111 |   0.000 |   0.102 |
-------------|----------|----------|----------|----------|----------|
           2 |     221 |      74 |      19 |       3 |     317 |
             |   0.697 |   0.233 |   0.060 |   0.009 |   0.895 |
-------------|----------|----------|----------|----------|----------|
           3 |       0 |       1 |       0 |       0 |       1 |
             |   0.000 |   1.000 |   0.000 |   0.000 |   0.003 |
-------------|----------|----------|----------|----------|----------|
Column Total |     239 |      89 |      23 |       3 |     354 |
-------------|----------|----------|----------|----------|----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 9.599364   d.f. = 6   p = 0.1425694

```
> CrossTable(myopia, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
   Cell Contents
|-----------------------|
|                     N |
|           N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
            | DEDGroup
     myopia |       No |     Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
         1 |      115 |      70 |      18 |       2 |      205 |
           |    0.561 |    0.341 |    0.088 |    0.010 |    0.579 |
-------------|-----------|-----------|-----------|-----------|-----------|
         2 |      124 |      19 |       5 |       1 |      149 |
           |    0.832 |    0.128 |    0.034 |    0.007 |    0.421 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |      239 |      89 |      23 |       3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 29.11462   d.f. = 3   p = 2.11861e-06

########Bivariate Analysis with MQ Domain 2: Family History##########

```
> CrossTable(m4d2_pm, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
   Cell Contents
|-----------------------|
|                     N |
|           N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
           | DEDGroup
   m4d2_pm |     No |    Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
         1 |    144 |     52 |     14 |      2 |    212 |
           |   0.679 |   0.245 |   0.066 |   0.009 |   0.599 |
-------------|-----------|-----------|-----------|-----------|-----------|
         2 |     95 |     37 |      9 |      1 |    142 |
           |   0.669 |   0.261 |   0.063 |   0.007 |   0.401 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |    239 |     89 |     23 |      3 |    354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 0.1588065   d.f. = 3   p = 0.9839482

```
> CrossTable(m4d2_who, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|           N / Row Total |
|-----------------------|


Total Observations in Table:  354
```

m4d2_who	No	Mild	Moderate	Severe	Row Total
1	45	8	2	1	56
	0.804	0.143	0.036	0.018	0.158
2	50	24	3	0	77
	0.649	0.312	0.039	0.000	0.218
3	63	32	10	1	106
	0.594	0.302	0.094	0.009	0.299
4	81	25	8	1	115
	0.704	0.217	0.070	0.009	0.325
Column Total	239	89	23	3	354

```
Statistics for All Table Factors


Pearson's Chi-squared test
--------------------------------------------------------------
Chi^2 =  12.186    d.f. =  9    p =  0.2030257
```

```
> CrossTable(m4d2_glau, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

| | DEDGroup
m4d2_glau	No	Mild	Moderate	Severe	Row Total
1	49	15	5	0	69
	0.710	0.217	0.072	0.000	0.195
2	190	74	18	3	285
	0.667	0.260	0.063	0.011	0.805
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 1.350462   d.f. = 3   p = 0.7171866
```

```
> CrossTable(m4d2_cata, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-------------------------|
| N |
N / Row Total

Total Observations in Table: 354

          | DEDGroup
m4d2_cata	No	Mild	Moderate	Severe	Row Total
1	53	18	9	0	80
	0.662	0.225	0.113	0.000	0.226
2	186	71	14	3	274
	0.679	0.259	0.051	0.011	0.774
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 4.780706   d.f. = 3   p = 0.1885775

```
> CrossTable(m4d2_retdis, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)


  Cell Contents
|-----------------------|
|                    N |
|           N / Row Total |
|-----------------------|


Total Observations in Table:  354


            | DEDGroup
 m4d2_retdis |       No |      Mild |  Moderate |    Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
          1 |       31 |       10 |        5 |        2 |       48 |
            |    0.646 |    0.208 |    0.104 |    0.042 |    0.136 |
-------------|-----------|-----------|-----------|-----------|-----------|
          2 |      208 |       79 |       18 |        1 |      306 |
            |    0.680 |    0.258 |    0.059 |    0.003 |    0.864 |
-------------|-----------|-----------|-----------|-----------|-----------|
 Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  9.012474    d.f. =  3    p =  0.0291255
```

```
> CrossTable(m4d2_kerat, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

             | DEDGroup
m4d2_kerat	No	Mild	Moderate	Severe	Row Total
1	11	6	3	0	20
	0.550	0.300	0.150	0.000	0.056
2	228	83	20	3	334
	0.683	0.249	0.060	0.009	0.944
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 3.229164   d.f. = 3   p = 0.357624

```
> CrossTable(m4d2_other, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


            | DEDGroup
  m4d2_other |      No |     Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
          1 |      88 |      38 |      4 |      0 |     130 |
            |   0.677 |   0.292 |   0.031 |   0.000 |   0.367 |
-------------|-----------|-----------|-----------|-----------|-----------|
          2 |     151 |      51 |     19 |      3 |     224 |
            |   0.674 |   0.228 |   0.085 |   0.013 |   0.633 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |     239 |      89 |     23 |      3 |     354 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  6.80774    d.f. =  3    p =  0.07828489
```

########Bivariate Analysis with MQ Domain 3: Near Work##########

```
> CrossTable(m4d3_ghlap, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

```
           | DEDGroup
 m4d3_ghlap |       No |     Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
         1 |      224 |       87 |       21 |        3 |      335 |
           |    0.669 |    0.260 |    0.063 |    0.009 |    0.946 |
-------------|-----------|-----------|-----------|-----------|-----------|
         2 |       15 |        2 |        2 |        0 |       19 |
           |    0.789 |    0.105 |    0.105 |    0.000 |    0.054 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 2.766313   d.f. = 3   p = 0.4290755

```
> CrossTable(m4d3_ghmob, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

             | DEDGroup
m4d3_ghmob	No	Mild	Moderate	Severe	Row Total
1	238	89	23	3	353
	0.674	0.252	0.065	0.008	0.997
2	1	0	0	0	1
	1.000	0.000	0.000	0.000	0.003
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 0.4825346   d.f. = 3   p = 0.9227114

```
> CrossTable(m4d3_ghtab, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

            | DEDGroup
m4d3_ghtab	No	Mild	Moderate	Severe	Row Total
1	87	49	10	2	148
	0.588	0.331	0.068	0.014	0.418
2	152	40	13	1	206
	0.738	0.194	0.063	0.005	0.582
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 10.08035   d.f. = 3   p = 0.01789535

```
> CrossTable(ddts, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


             | DEDGroup
       ddts |       No |     Mild | Moderate |   Severe | Row Total |
-------------|----------|----------|----------|----------|-----------|
          1 |       28 |        4 |        1 |        0 |       33 |
             |    0.848 |    0.121 |    0.030 |    0.000 |    0.093 |
-------------|----------|----------|----------|----------|-----------|
          2 |      102 |       28 |       10 |        1 |      141 |
             |    0.723 |    0.199 |    0.071 |    0.007 |    0.398 |
-------------|----------|----------|----------|----------|-----------|
          3 |      109 |       56 |       12 |        2 |      179 |
             |    0.609 |    0.313 |    0.067 |    0.011 |    0.506 |
-------------|----------|----------|----------|----------|-----------|
          5 |        0 |        1 |        0 |        0 |        1 |
             |    0.000 |    1.000 |    0.000 |    0.000 |    0.003 |
-------------|----------|----------|----------|----------|-----------|
Column Total |      239 |       89 |       23 |        3 |      354 |
-------------|----------|----------|----------|----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  13.73685    d.f. =  9    p =  0.1319986
```

```
> CrossTable(m4d3_concern, DEDGroup,
+        prop.r=T,
+        prop.t=F,
+        prop.c=F,
+        prop.chisq=F,
+        chisq=T)
```
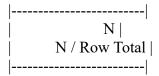
Cell Contents
```
|-------------------------|
|                       N |
|           N / Row Total |
|-------------------------|
```

Total Observations in Table: 354

	DEDGroup				
m4d3_concern	No	Mild	Moderate	Severe	Row Total
0	0	1	0	0	1
	0.000	1.000	0.000	0.000	0.003
1	50	19	3	0	72
	0.694	0.264	0.042	0.000	0.203
2	51	12	8	3	74
	0.689	0.162	0.108	0.041	0.209
3	9	2	0	0	11
	0.818	0.182	0.000	0.000	0.031
4	66	31	5	0	102
	0.647	0.304	0.049	0.000	0.288
5	63	24	7	0	94
	0.670	0.255	0.074	0.000	0.266
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

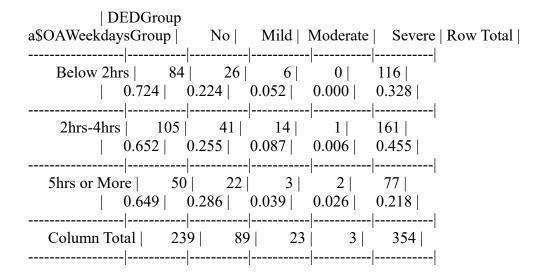Chi^2 = 22.5289   d.f. = 15   p = 0.09466737

########Bivariate Analysis with MQ Domain 4: Outdoor Activities##########

```
> CrossTable(a$OAWeekdaysGroup, DEDGroup,
+         prop.r=T,
+         prop.t=F,
+         prop.c=F,
+         prop.chisq=F,
+         chisq=T)
```

```
   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
              | DEDGroup
a$OAWeekdaysGroup |      No |     Mild | Moderate |   Severe | Row Total |
------------------|-----------|-----------|-----------|-----------|-----------|
     Below 2hrs |      84 |      26 |       6 |       0 |     116 |
               |   0.724 |   0.224 |   0.052 |   0.000 |   0.328 |
------------------|-----------|-----------|-----------|-----------|-----------|
       2hrs-4hrs |     105 |      41 |      14 |       1 |     161 |
               |   0.652 |   0.255 |   0.087 |   0.006 |   0.455 |
------------------|-----------|-----------|-----------|-----------|-----------|
     5hrs or More |      50 |      22 |       3 |       2 |      77 |
               |   0.649 |   0.286 |   0.039 |   0.026 |   0.218 |
------------------|-----------|-----------|-----------|-----------|-----------|
     Column Total |     239 |      89 |      23 |       3 |     354 |
------------------|-----------|-----------|-----------|-----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

$Chi^2 = 7.500091$ d.f. = 6   p = 0.2770609

```
> CrossTable(a$OAWeekendGroup, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

```
   Cell Contents
|------------------------|
|                     N |
|          N / Row Total |
|------------------------|
```

Total Observations in Table: 354

| | DEDGroup | | | | |
a$OAWeekendGroup	No	Mild	Moderate	Severe	Row Total
Below 4hrs	120	48	9	0	177
	0.678	0.271	0.051	0.000	0.500
4hrs-8hrs	82	32	10	1	125
	0.656	0.256	0.080	0.008	0.353
8hrs-12hrs	28	4	2	2	36
	0.778	0.111	0.056	0.056	0.102
12hrs or More	9	5	2	0	16
	0.562	0.312	0.125	0.000	0.045
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 17.2438   d.f. = 9   p = 0.04503218

```
> CrossTable(m4d4_exc, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

Cell Contents
```
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

| | DEDGroup | | | | |
m4d4_exc	No	Mild	Moderate	Severe	Row Total
1	85	19	12	3	119
	0.714	0.160	0.101	0.025	0.336
2	154	70	11	0	235
	0.655	0.298	0.047	0.000	0.664
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

$Chi^2 = 15.88285$ d.f. = 3 $p = 0.001198453$

```
> CrossTable(m4d4_jog, DEDGroup,
+           prop.r=T,
+           prop.t=F,
+           prop.c=F,
+           prop.chisq=F,
+           chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

          | DEDGroup
m4d4_jog	No	Mild	Moderate	Severe	Row Total
1	70	20	9	2	101
	0.693	0.198	0.089	0.020	0.285
2	169	69	14	1	253
	0.668	0.273	0.055	0.004	0.715
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 5.076602   d.f. = 3   p = 0.1662732

```
> CrossTable(m4d4_swim, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

          | DEDGroup
m4d4_swim	No	Mild	Moderate	Severe	Row Total
1	25	7	8	2	42
	0.595	0.167	0.190	0.048	0.119
2	214	82	15	1	312
	0.686	0.263	0.048	0.003	0.881
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 21.98114   d.f. = 3   p = 6.582335e-05

```
> CrossTable(m4d4_cyc, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

Cell Contents
```
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|
```

Total Observations in Table: 354

```
              | DEDGroup
    m4d4_cyc |       No |     Mild | Moderate |   Severe | Row Total |
-------------|----------|----------|----------|----------|-----------|
           1 |      39 |      17 |       6 |       2 |      64 |
             |   0.609 |   0.266 |   0.094 |   0.031 |   0.181 |
-------------|----------|----------|----------|----------|-----------|
           2 |     200 |      72 |      17 |       1 |     290 |
             |   0.690 |   0.248 |   0.059 |   0.003 |   0.819 |
-------------|----------|----------|----------|----------|-----------|
Column Total |     239 |      89 |      23 |       3 |     354 |
-------------|----------|----------|----------|----------|-----------|
```

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 6.340996   d.f. = 3   p = 0.09614861

```
> CrossTable(m4d4_run, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

             | DEDGroup
m4d4_run	No	Mild	Moderate	Severe	Row Total
1	29	9	5	3	46
	0.630	0.196	0.109	0.065	0.130
2	210	80	18	0	308
	0.682	0.260	0.058	0.000	0.870
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 22.45301   d.f. = 3   p = 5.249995e-05

```
> CrossTable(m4d4_sports, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

  Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

            | DEDGroup
m4d4_sports	No	Mild	Moderate	Severe	Row Total
1	21	7	3	1	32
	0.656	0.219	0.094	0.031	0.090
2	218	82	20	2	322
	0.677	0.255	0.062	0.006	0.910
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 2.769654   d.f. = 3   p = 0.4285198

```
> CrossTable(m4d4_pra, DEDGroup,
+        prop.r=T,
+        prop.t=F,
+        prop.c=F,
+        prop.chisq=F,
+        chisq=T)


   Cell Contents
|-----------------------|
|                     N |
|         N / Row Total |
|-----------------------|


Total Observations in Table:  354


             | DEDGroup
   m4d4_pra |       No |     Mild | Moderate |   Severe | Row Total |
-------------|-----------|-----------|-----------|-----------|-----------|
          1 |      148 |      57 |       6 |       0 |      211 |
            |    0.701 |    0.270 |    0.028 |    0.000 |    0.596 |
-------------|-----------|-----------|-----------|-----------|-----------|
          2 |       91 |      32 |      17 |       3 |      143 |
            |    0.636 |    0.224 |    0.119 |    0.021 |    0.404 |
-------------|-----------|-----------|-----------|-----------|-----------|
Column Total |      239 |      89 |      23 |       3 |      354 |
-------------|-----------|-----------|-----------|-----------|-----------|


Statistics for All Table Factors


Pearson's Chi-squared test
------------------------------------------------------------
Chi^2 =  16.42126    d.f. =  3    p =  0.0009293552
```

```
> CrossTable(m4d4_other, DEDGroup,
+          prop.r=T,
+          prop.t=F,
+          prop.c=F,
+          prop.chisq=F,
+          chisq=T)
```

   Cell Contents
|-----------------------|
| N |
N / Row Total

Total Observations in Table: 354

          | DEDGroup
m4d4_other	No	Mild	Moderate	Severe	Row Total
1	77	43	4	0	124
	0.621	0.347	0.032	0.000	0.350
2	162	46	19	3	230
	0.704	0.200	0.083	0.013	0.650
Column Total	239	89	23	3	354

Statistics for All Table Factors

Pearson's Chi-squared test

Chi^2 = 12.49397   d.f. = 3   p = 0.005869102