Descriptive Stats

```
for(name in colnames(clinical_data_0)){
  setnames(clinical_data_0, name, gsub("  ", " ", name, fixed=TRUE))
}
setnames(clinical_data_0, "6Y. Static Major Curve Cobb Angle", "6Y. Static Major curve Cobb angle")
```

```
years_rad <- sapply(c("6W.", "2Y.", "3Y.", "5Y.", "6Y."), function(x) paste(x, vars$radiology), simplify
years_quality <- sapply(c("6M.", "2Y.", "3Y.", "5Y.", "6Y."), function(x) paste(x, vars$quality), simpli
quality_first <- paste(vars$quality, "_First Visit", sep="")

all_vars <- c(
  unlist(vars[c("demographics", "radiology", "surgery")]) %>% unique,
  '2 YEAR VISIT - Date of visit',
  '3 YEAR VISIT - Date of visit',
  '5 YEAR VISIT - Date of visit',
  '6 YEAR VISIT - Date of visit',
  'Code of the patient',
  'st1. Date of Stage',
  years_rad,
  years_quality,
  quality_first
)

clinical_data <- rbind(
  clinical_data_0[, .SD, .SDcols=all_vars][, type:='non-depuy'],
  clinical_data_1[, .SD, .SDcols=all_vars][, type:='depuy']
)

clinical_data[, `ASA classification` := as.character(`ASA classification`)]
```

Filters

```
discarded_patients <- readLines('five_years/discarded_patients')

clinical_data %<>%
  .[, followup_2y :=
      !is.na(`2 YEAR VISIT - Date of visit`) |
      !is.na(`3 YEAR VISIT - Date of visit`)] %>%
  .[, followup_5y :=
      !is.na(`5 YEAR VISIT - Date of visit`) |
      !is.na(`6 YEAR VISIT - Date of visit`)]
```

- Number of Patients

```
clinical_data[, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   708
2:     depuy   607
```

- Number of patients with visit in 2 years

```
clinical_data[followup_2y==TRUE, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   465
2:     depuy   434
```

- Number of patients with visit in 5 years

```
clinical_data[followup_5y==TRUE, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   220
2:     depuy   224
```

```
clinical_data %<>%
  .[followup_2y==TRUE] %>%
  .[`st1. Date of Stage` %>% as.Date() < as.Date('2016-6-1')]
```

Total Patients for the analysis

```
clinical_data[, .(total=`Code of the patient` %>% uniqueN), type]
```

```
        type total
1: non-depuy   226
2:     depuy   260
```

Demographics

```
Age
[1] "stats"
        type     mean       sd   N
1: non-depuy 58.72817 19.44153 226
2:     depuy 56.01154 18.35146 260
[1] "p_val"
[1] 0.1154856


Gender
[1] "table_depuy"

Female   Male
```

```
   204     56
[1] "proportion_depuy"

   Female      Male
0.7846154 0.2153846
[1] "table_nondepuy"

Female   Male
   178     48
[1] "proportion_nondepuy"

   Female      Male
0.7876106 0.2123894
[1] "p_val_Male"
[1] 1
[1] "p_val_Female"
[1] 1


Prior Spine Surgery
[1] "table_depuy"

 No Yes
169  91
[1] "proportion_depuy"

  No  Yes
0.65 0.35
[1] "table_nondepuy"

 No Yes
162  64
[1] "proportion_nondepuy"

       No       Yes
0.7168142 0.2831858
[1] "p_val_No"
[1] 0.1392032
[1] "p_val_Yes"
[1] 0.1392032


Height (cm)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 162.7679 9.691642 224
2:     depuy 162.8301 9.095643 259
[1] "p_val"
[1] 0.9422866


Weight (kgs)_First Visit
[1] "stats"
        type     mean       sd   N
```

```
1: non-depuy 65.44420 13.08305 224
2:     depuy 66.53462 12.69948 260
[1] "p_val"
[1] 0.3545402


BMI_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 24.70183 4.420484 224
2:     depuy 25.09981 4.563928 259
[1] "p_val"
[1] 0.3315682


ASA classification
[1] "table_depuy"

  1   2   3
 59 142  59
[1] "proportion_depuy"

        1         2         3
0.2269231 0.5461538 0.2269231
[1] "table_nondepuy"

  1   2   3
 88 120  17
[1] "proportion_nondepuy"

         1          2          3
0.39111111 0.53333333 0.07555556
[1] "p_val_1"
[1] 0.0001506339
[1] "p_val_2"
[1] 0.8075102
[1] "p_val_3"
[1] 7.920317e-06
[1] "p_val_NA"
[1] NaN


Tobacco use_First Visit
[1] "table_depuy"

         Current User: 1 pack per day         Current User: 2 packs per day
                                   16                                     1
Current User: 3 packs or more per day   Current User: Less than 1pk per day
                                    3                                    40
                  Ex-User: 0-6 months           Ex-User: 1 year or greater
                                    5                                     2
            Ex-User: 2 yrs or greater                 Ex-User: 6-12 months
                                   28                                     2
                           Non-User
```

```
                                163
[1] "proportion_depuy"

         Current User: 1 pack per day         Current User: 2 packs per day
                          0.061538462                          0.003846154
Current User: 3 packs or more per day   Current User: Less than 1pk per day
                          0.011538462                          0.153846154
                  Ex-User: 0-6 months            Ex-User: 1 year or greater
                          0.019230769                          0.007692308
            Ex-User: 2 yrs or greater                  Ex-User: 6-12 months
                          0.107692308                          0.007692308
                             Non-User
                          0.626923077
[1] "table_nondepuy"

       Current User: 1 pack per day Current User: Less than 1pk per day
                                  7                                   25
                Ex-User: 0-6 months          Ex-User: 1 year or greater
                                  8                                    1
          Ex-User: 2 yrs or greater                Ex-User: 6-12 months
                                 38                                    2
                           Non-User
                                145
[1] "proportion_nondepuy"

       Current User: 1 pack per day Current User: Less than 1pk per day
                          0.030973451                          0.110619469
                Ex-User: 0-6 months          Ex-User: 1 year or greater
                          0.035398230                          0.004424779
          Ex-User: 2 yrs or greater                Ex-User: 6-12 months
                          0.168141593                          0.008849558
                             Non-User
                          0.641592920
[1] "p_val_Non-User"
[1] 0.8099996
[1] "p_val_Current User: Less than 1pk per day"
[1] 0.2066549
[1] "p_val_Ex-User: 2 yrs or greater"
[1] 0.07068495
[1] "p_val_Current User: 1 pack per day"
[1] 0.1711069
[1] "p_val_Ex-User: 6-12 months"
[1] 1
[1] "p_val_Ex-User: 0-6 months"
[1] 0.412237
[1] "p_val_Ex-User: 1 year or greater"
[1] 1
[1] "p_val_Current User: 2 packs per day"
[1] 1
[1] "p_val_Current User: 3 packs or more per day"
[1] 0.2986748
```

ESSG Diagnosis

```
[1] "table_depuy"
```

Congenital	Degenerative
7	114
Failed-back	Idiopathic
18	95
Neuromuscular	Other: radiotherapy induced
5	1
Post-traumatic	Scheuermann
7	9
Syndromic	
4	

```
[1] "proportion_depuy"
```

Congenital	Degenerative
0.026923077	0.438461538
Failed-back	Idiopathic
0.069230769	0.365384615
Neuromuscular	Other: radiotherapy induced
0.019230769	0.003846154
Post-traumatic	Scheuermann
0.026923077	0.034615385
Syndromic	
0.015384615	

```
[1] "table_nondepuy"
```

Congenital	Degenerative	Failed-back
7	62	7
Idiopathic	Neuromuscular	Other: spondylolisthesis
122	1	1
Post-traumatic	Scheuermann	
12	14	

```
[1] "proportion_nondepuy"
```

Congenital	Degenerative	Failed-back
0.030973451	0.274336283	0.030973451
Idiopathic	Neuromuscular	Other: spondylolisthesis
0.539823009	0.004424779	0.004424779
Post-traumatic	Scheuermann	
0.053097345	0.061946903	

```
[1] "p_val_Idiopathic"
[1] 0.0001653386
[1] "p_val_Degenerative"
[1] 0.0002519414
[1] "p_val_Scheuermann"
[1] 0.22967
[1] "p_val_Failed-back"
[1] 0.0894093
[1] "p_val_Post-traumatic"
[1] 0.2111926
[1] "p_val_Other: spondylolisthesis"
[1] 0.9440321
[1] "p_val_Neuromuscular"
[1] 0.287987
```

```
[1] "p_val_Congenital"
[1] 1
[1] "p_val_Other: radiotherapy induced"
[1] 1
[1] "p_val_Syndromic"
[1] 0.1709779


Surgical Approach
[1] "table_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
                 5                250                   5
[1] "proportion_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
        0.01923077         0.96153846         0.01923077
[1] "table_nondepuy"
< table of extent 0 >
[1] "proportion_nondepuy"
numeric(0)
[1] "p_val_NA"
[1] NaN
[1] "p_val_Posterior"
[1] 1.724689e-98
[1] "p_val_Anterior-Posterior"
[1] 0.09998745
[1] "p_val_Posterior-Anterior"
[1] 0.09998745
```

Radiology

```
Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 45.93621 23.71404 219
2:     depuy 42.39179 20.56321 246
[1] "p_val"
[1] 0.08762569


6W. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 22.54969 17.54126 130
2:     depuy 22.12236 14.49691 220
[1] "p_val"
[1] 0.814842


6W. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
```

```
1: non-depuy -19.69623 13.86465 130
2:     depuy -20.84132 15.39504 219
[1] "p_val"
[1] 0.4748333
```

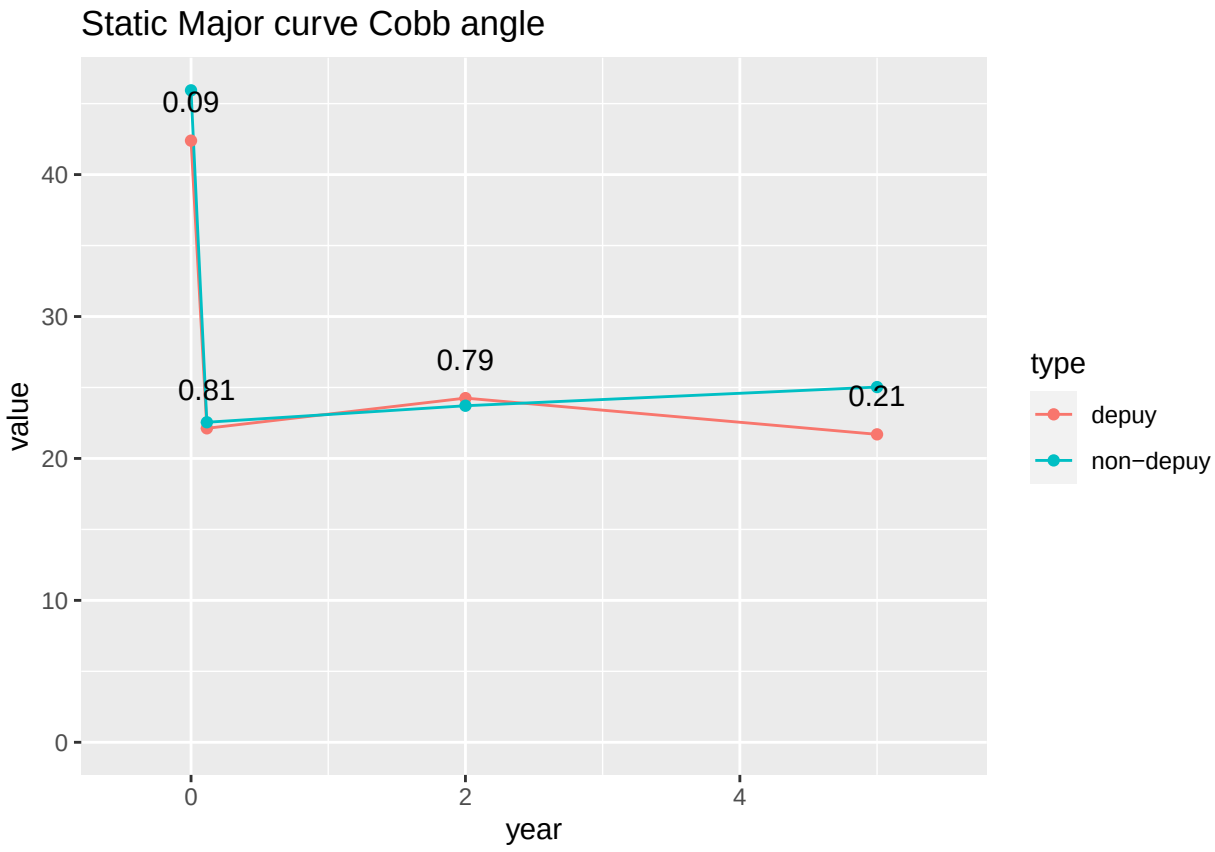
```
2Y. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 23.71316 17.97096 136
2:     depuy 24.25100 17.65441 201
[1] "p_val"
[1] 0.7862305
```

```
2Y. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -22.85074 15.97146 136
2:     depuy -18.94709 15.23779 196
[1] "p_val"
[1] 0.02643779
```

```
5Y. Static Major curve Cobb angle
[1] "stats"
        type     mean       sd   N
1: non-depuy 25.02853 16.59048  68
2:     depuy 21.69740 17.21689 104
[1] "p_val"
[1] 0.2066835
```

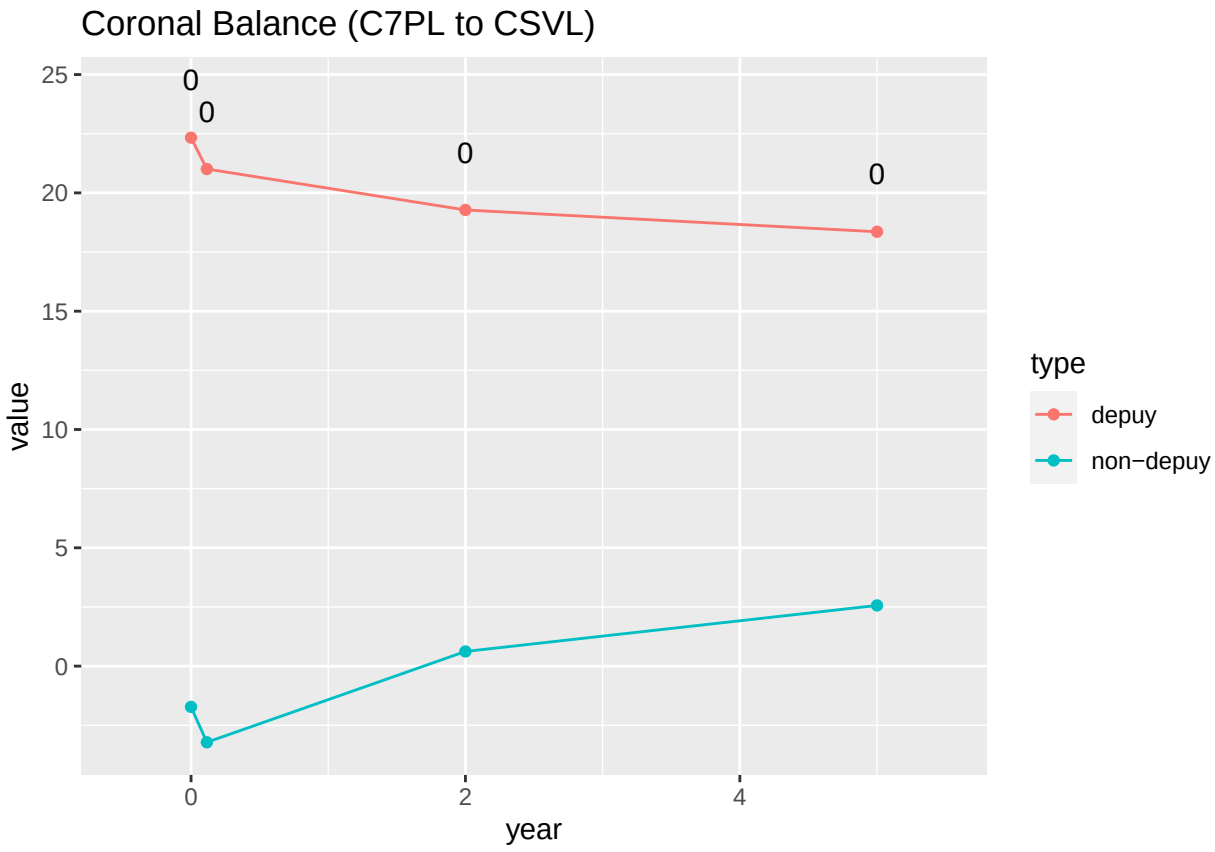
```
5Y. Static Major curve Cobb angle_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy -26.56059 14.37802 68
2:     depuy -21.10469 15.87151 98
[1] "p_val"
[1] 0.02260712
```

```
Static Major curve Cobb angle tests
preop vs 6w p-value
1.403218e-52
6w vs 2y p-value
0.2911732

6w vs 5y p-value
0.3963831
2y vs 5y p-value
0.9945991
```



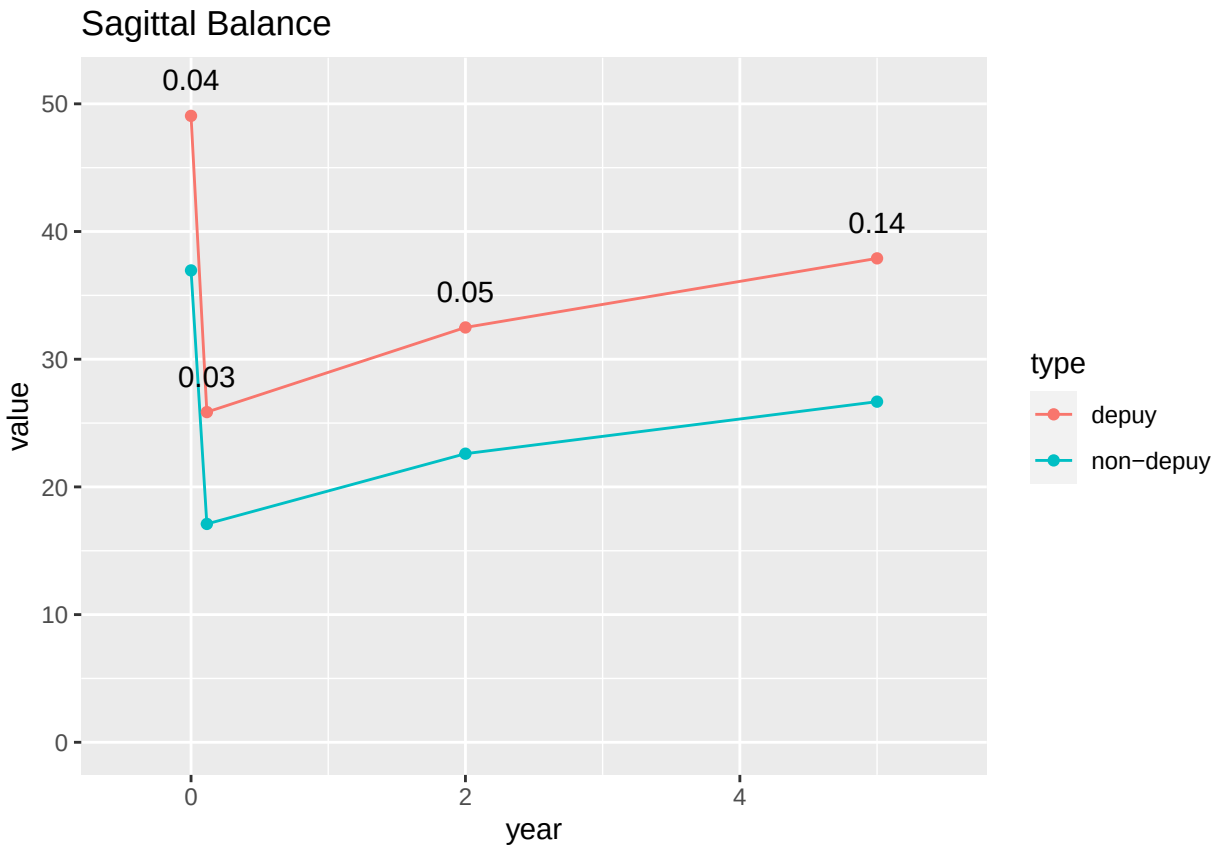

```
Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.722344 32.37762 192
2:     depuy 22.333621 20.32074 232
[1] "p_val"
[1] 3.629108e-17


6W. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.219508 23.28550 183
2:     depuy 21.008520 17.20664 196
[1] "p_val"
[1] 7.581305e-26


6W. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.285325 31.50908 169
2:     depuy -3.369375 23.98218 176
[1] "p_val"
[1] 0.491178
```

```
2Y. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type       mean       sd   N
1: non-depuy  0.6191005 22.41306 189
2:     depuy 19.2775532 15.60513 188
[1] "p_val"
[1] 9.840316e-19


2Y. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy  1.050424 34.86617 165
2:     depuy -4.987879 23.44812 165
[1] "p_val"
[1] 0.065924


5Y. Coronal Balance (C7PL to CSVL)
[1] "stats"
        type      mean       sd   N
1: non-depuy  2.564819 25.75562  83
2:     depuy 18.357000 15.70068 100
[1] "p_val"
[1] 3.001608e-06


5Y. Coronal Balance (C7PL to CSVL)_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy  5.543939 36.33469 66
2:     depuy -4.055667 20.05347 90
[1] "p_val"
[1] 0.05531421


Coronal Balance (C7PL to CSVL) tests
preop vs 6w p-value
0.252907
6w vs 2y p-value
0.6837636

6w vs 5y p-value
0.3742707
2y vs 5y p-value
0.5579464
```



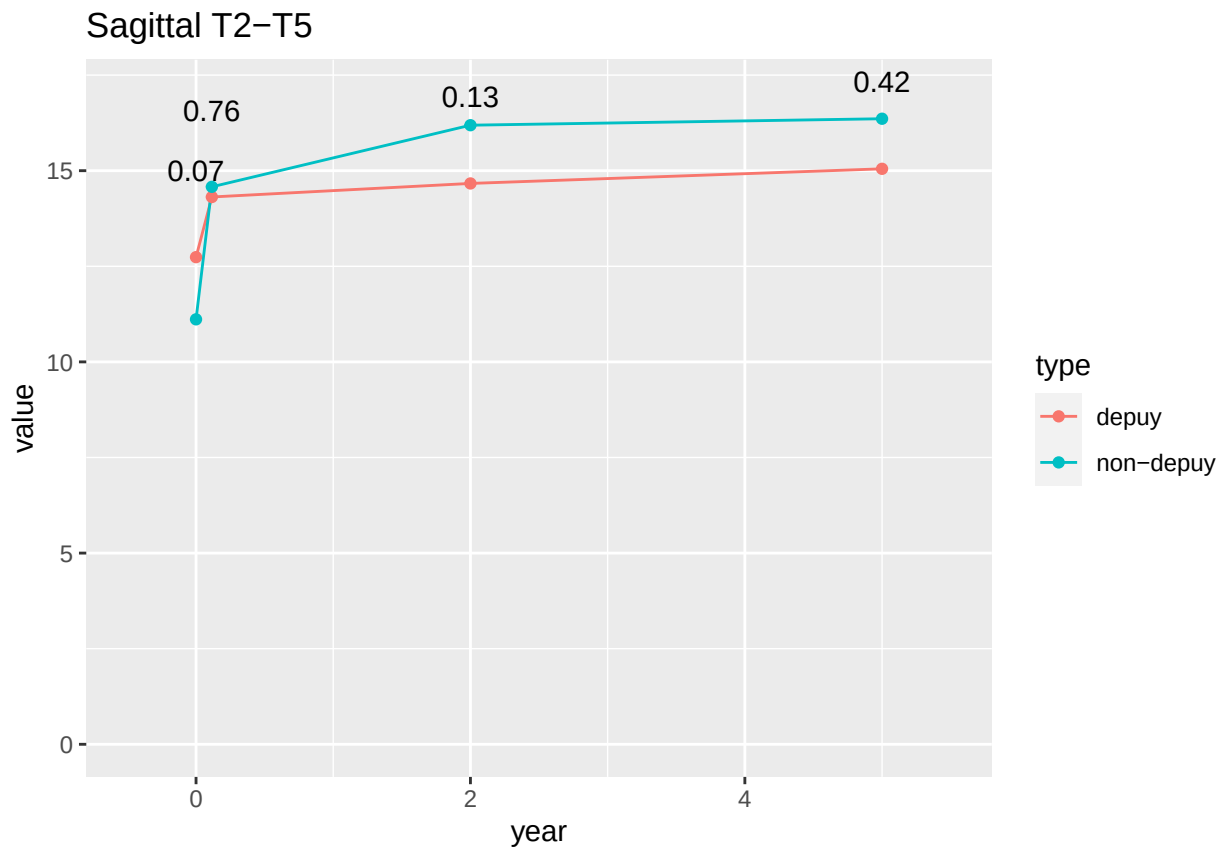

```
Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 36.95420 61.37315 193
2:     depuy 49.05664 61.89167 250
[1] "p_val"
[1] 0.04095191


6W. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 17.10087 39.46367 183
2:     depuy 25.85922 41.20393 204
[1] "p_val"
[1] 0.0334157


6W. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -17.96663 50.50322 172
2:     depuy -22.25015 52.83688 195
[1] "p_val"
[1] 0.4280389
```

```
2Y. Sagittal Balance
[1] "stats"
        type     mean       sd   N
1: non-depuy 22.60079 47.86796 190
2:     depuy 32.48812 49.11368 191
[1] "p_val"
[1] 0.04732146


2Y. Sagittal Balance_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -16.94606 46.72972 165
2:     depuy -20.27159 56.44687 182
[1] "p_val"
[1] 0.5490417


5Y. Sagittal Balance
[1] "stats"
        type     mean       sd  N
1: non-depuy 26.67512 52.27813 82
2:     depuy 37.89808 49.52207 99
[1] "p_val"
[1] 0.1427835


5Y. Sagittal Balance_gain
[1] "stats"
        type       mean       sd  N
1: non-depuy   8.165373 50.83670 67
2:     depuy -15.161720 56.44503 93
[1] "p_val"
[1] 0.007021358


Sagittal Balance tests
preop vs 6w p-value
1.291629e-09
6w vs 2y p-value
0.1589919

6w vs 5y p-value
0.03878734
2y vs 5y p-value
0.3460191
```



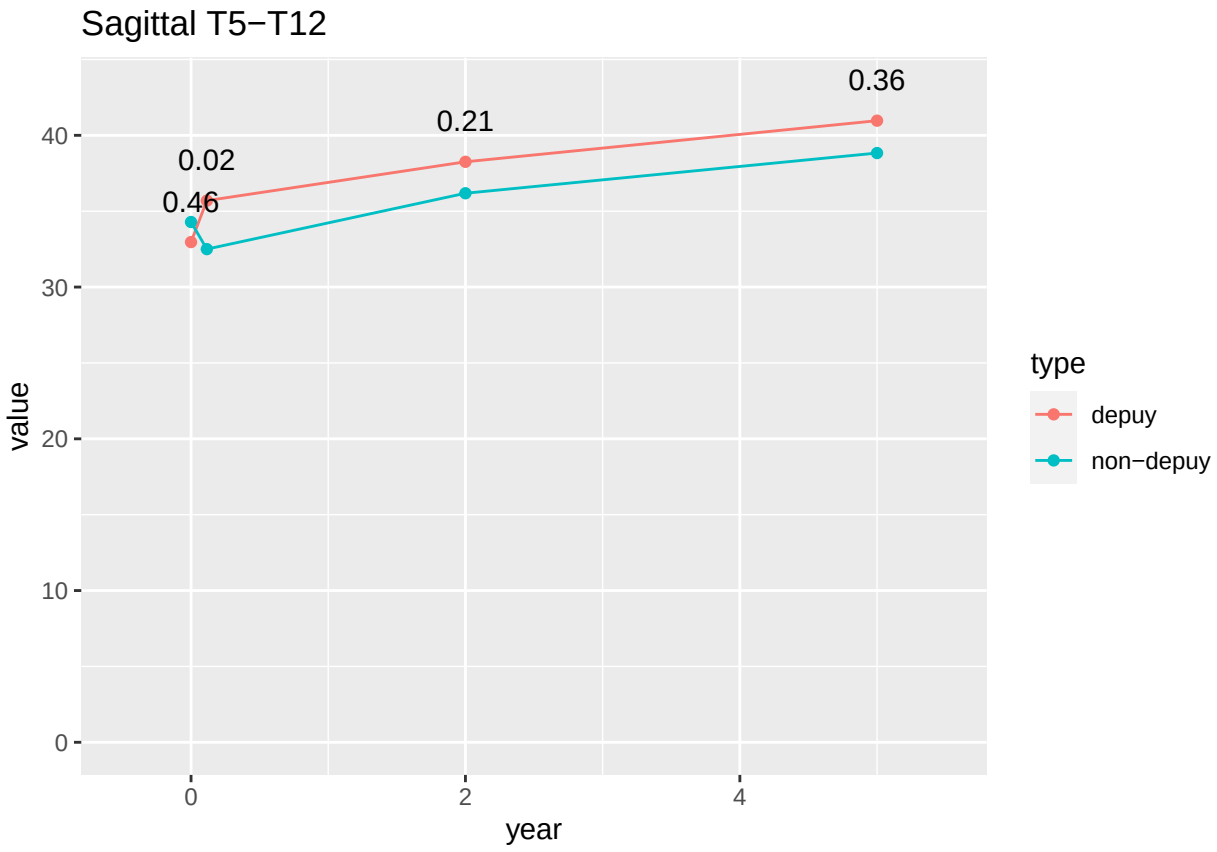

```
Sagittal T2-T5
[1] "stats"
        type     mean        sd   N
1: non-depuy 11.11271  8.893395 210
2:     depuy 12.73878 10.346019 254
[1] "p_val"
[1] 0.06937376


6W. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 14.57833 8.739755 204
2:     depuy 14.31248 9.250246 214
[1] "p_val"
[1] 0.7627006


6W. Sagittal T2-T5_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.718802  9.226323 192
2:     depuy 1.925167 10.870688 209
[1] "p_val"
[1] 0.07489301
```

```
2Y. Sagittal T2-T5
[1] "stats"
        type    mean        sd   N
1: non-depuy 16.1896 10.110321 202
2:     depuy 14.6668  9.990839 197
[1] "p_val"
[1] 0.131022


2Y. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.255132 11.18878 189
2:     depuy 1.962604 10.36023 192
[1] "p_val"
[1] 0.003077781


5Y. Sagittal T2-T5
[1] "stats"
        type     mean       sd   N
1: non-depuy 16.35898 11.31364  88
2:     depuy 15.04920 10.98006 100
[1] "p_val"
[1] 0.4229941


5Y. Sagittal T2-T5_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 5.726747 11.43464 83
2:     depuy 5.010918 11.63862 98
[1] "p_val"
[1] 0.6777438


Sagittal T2-T5 tests
preop vs 6w p-value
0.0001184078
6w vs 2y p-value
0.09246131

6w vs 5y p-value
0.2163419
2y vs 5y p-value
0.9770439
```



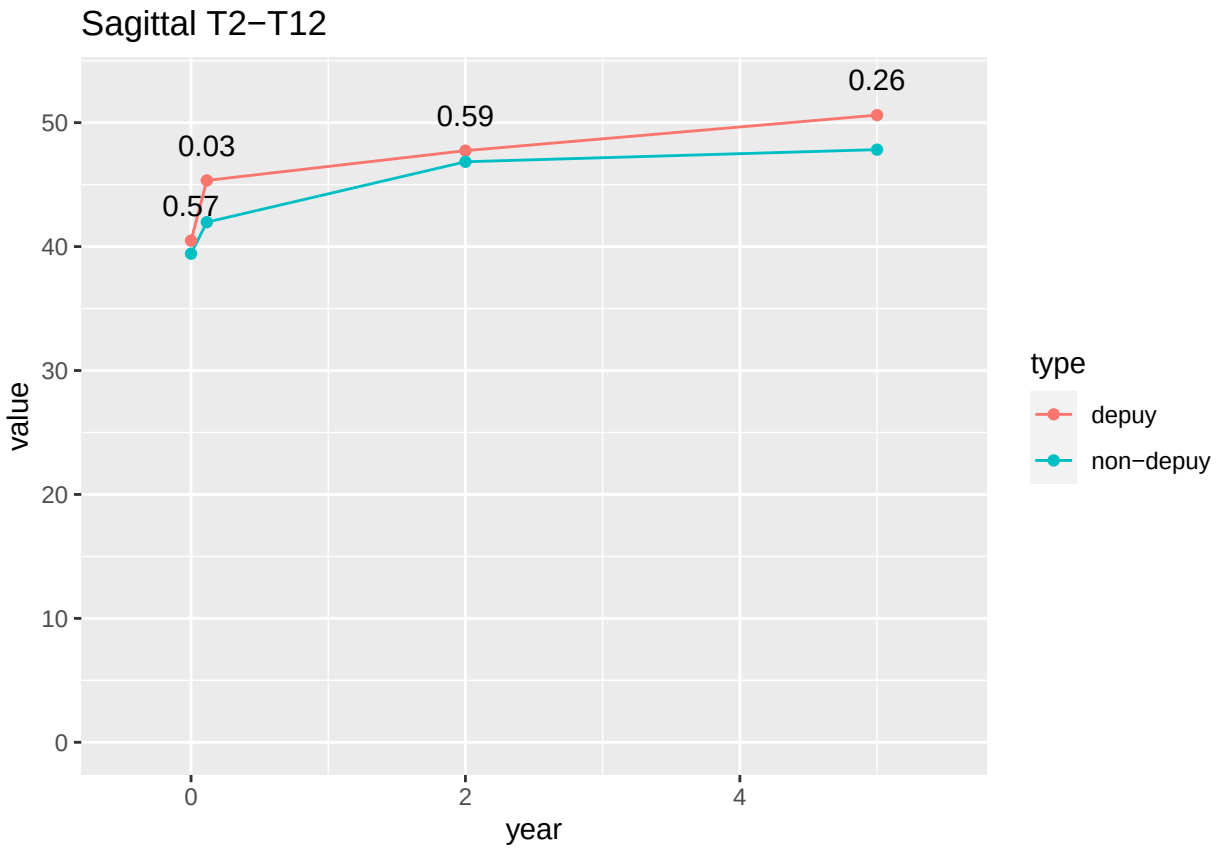

```
Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 34.28844 20.32198 218
2:     depuy 32.96492 18.11270 256
[1] "p_val"
[1] 0.4580809


6W. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 32.50063 14.42793 205
2:     depuy 35.69605 13.91589 215
[1] "p_val"
[1] 0.02146717


6W. Sagittal T5-T12_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.914293 17.08062 198
2:     depuy  2.095472 14.96915 212
[1] "p_val"
[1] 0.01210767
```

```
2Y. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 36.18217 15.29005 203
2:     depuy 38.25457 17.79996 197
[1] "p_val"
[1] 0.2129917


2Y. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.232143 19.00179 196
2:     depuy 5.453264 18.20645 193
[1] "p_val"
[1] 0.08857456


5Y. Sagittal T5-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 38.83236 15.11470  89
2:     depuy 40.96510 16.65305 100
[1] "p_val"
[1] 0.3572412


5Y. Sagittal T5-T12_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 6.621279 18.71323 86
2:     depuy 6.175306 19.07617 98
[1] "p_val"
[1] 0.8731899


Sagittal T5-T12 tests
preop vs 6w p-value
0.6157915
6w vs 2y p-value
0.004359271

6w vs 5y p-value
5.94902e-06
2y vs 5y p-value
0.028313
```



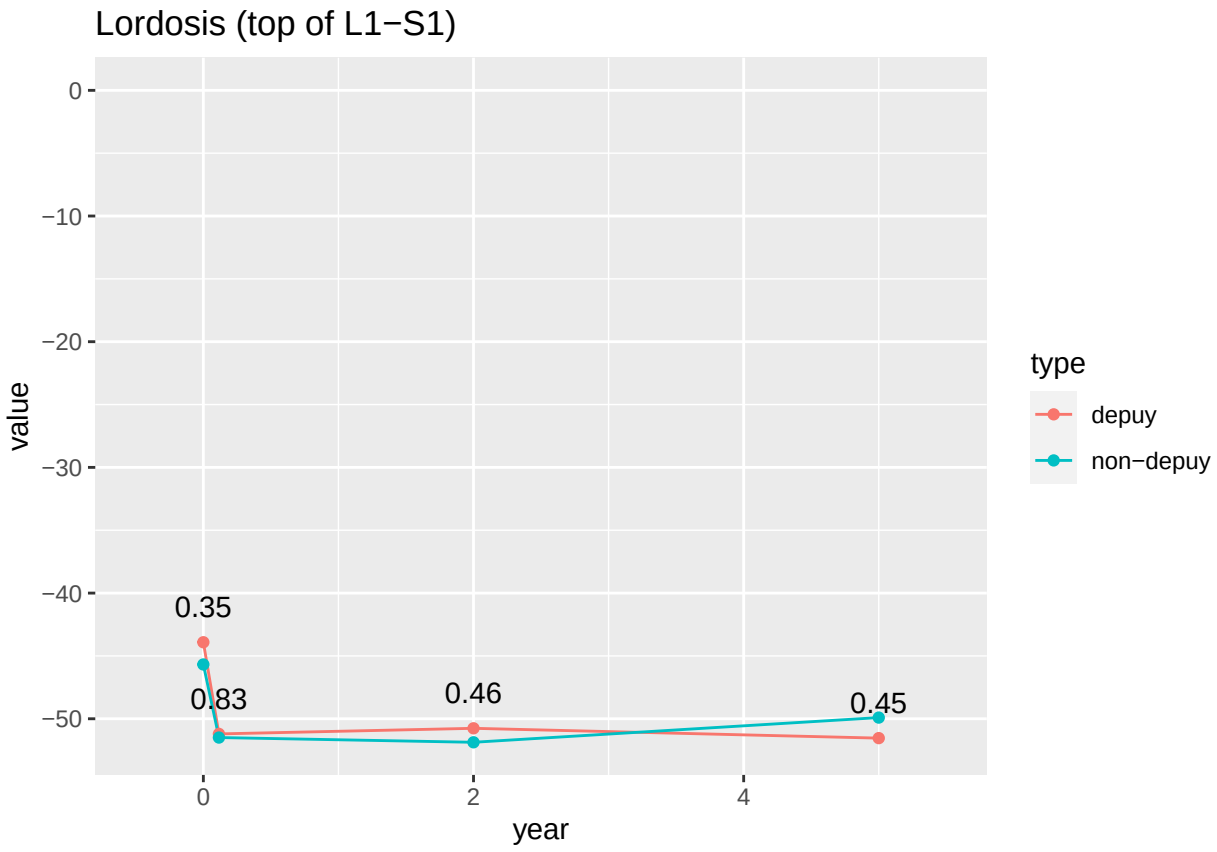

```
Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 39.42756 21.49512 217
2:     depuy 40.48218 18.77018 257
[1] "p_val"
[1] 0.5732438


6W. Sagittal T2-T12
[1] "stats"
        type     mean      sd   N
1: non-depuy 41.97034 16.4835 208
2:     depuy 45.33738 14.8070 214
[1] "p_val"
[1] 0.02797363


6W. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.280644 16.48887 202
2:     depuy 5.021991 14.96054 211
[1] "p_val"
[1] 0.07797381
```

```
2Y. Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 46.84286 17.26746 203
2:     depuy 47.74141 16.22654 198
[1] "p_val"
[1] 0.5914809


2Y. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 7.971173 17.07820 196
2:     depuy 7.498974 15.84751 195
[1] "p_val"
[1] 0.777014


5Y. Sagittal T2-T12
[1] "stats"
        type     mean       sd   N
1: non-depuy 47.82477 17.05582  88
2:     depuy 50.60890 16.49591 100
[1] "p_val"
[1] 0.2582582


5Y. Sagittal T2-T12_gain
[1] "stats"
        type     mean       sd  N
1: non-depuy 11.23059 16.34829 85
2:     depuy 10.72969 17.26895 98
[1] "p_val"
[1] 0.8406374


Sagittal T2-T12 tests
preop vs 6w p-value
0.002194747
6w vs 2y p-value
0.002146986

6w vs 5y p-value
0.0001000708
2y vs 5y p-value
0.1303354
```



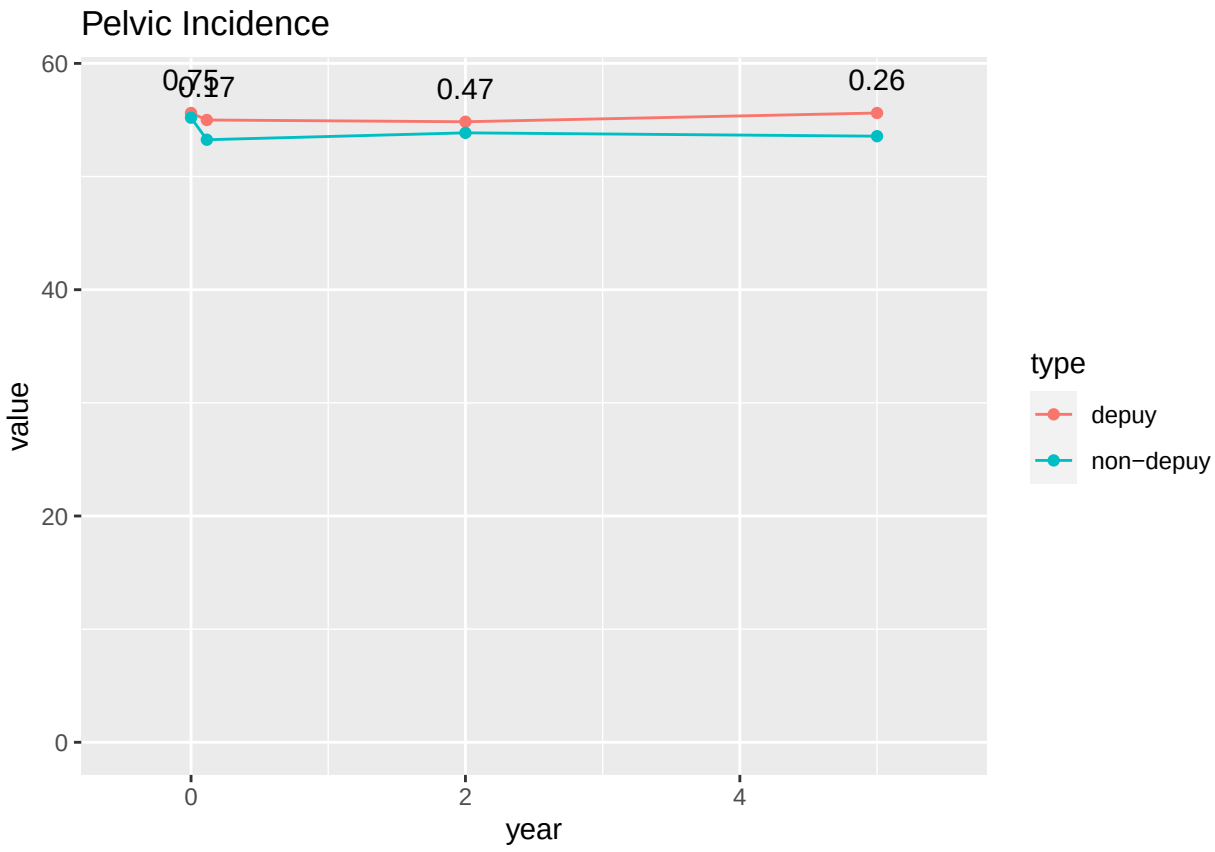

```
Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -45.67901 21.12223 223
2:     depuy -43.91152 20.46163 257
[1] "p_val"
[1] 0.3540327


6W. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -51.49413 13.60404 213
2:     depuy -51.20455 15.15762 244
[1] "p_val"
[1] 0.8296954


6W. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.943381 18.92697 210
2:     depuy -7.252490 16.96974 241
[1] "p_val"
[1] 0.1758928
```

```
2Y. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -51.87279 13.80752 204
2:     depuy -50.75933 17.02414 210
[1] "p_val"
[1] 0.4646788


2Y. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.609552 17.21253 201
2:     depuy -7.919469 16.15797 207
[1] "p_val"
[1] 0.4288055


5Y. Lordosis (top of L1-S1)
[1] "stats"
        type      mean       sd   N
1: non-depuy -49.90629 14.08993  89
2:     depuy -51.53990 15.65859 105
[1] "p_val"
[1] 0.445497


5Y. Lordosis (top of L1-S1)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.874943 16.43204  87
2:     depuy -8.028365 18.23201 104
[1] "p_val"
[1] 0.09963627


Lordosis (top of L1-S1) tests
preop vs 6w p-value
1.884805e-08
6w vs 2y p-value
0.7014898

6w vs 5y p-value
0.9073573
2y vs 5y p-value
0.6891494
```



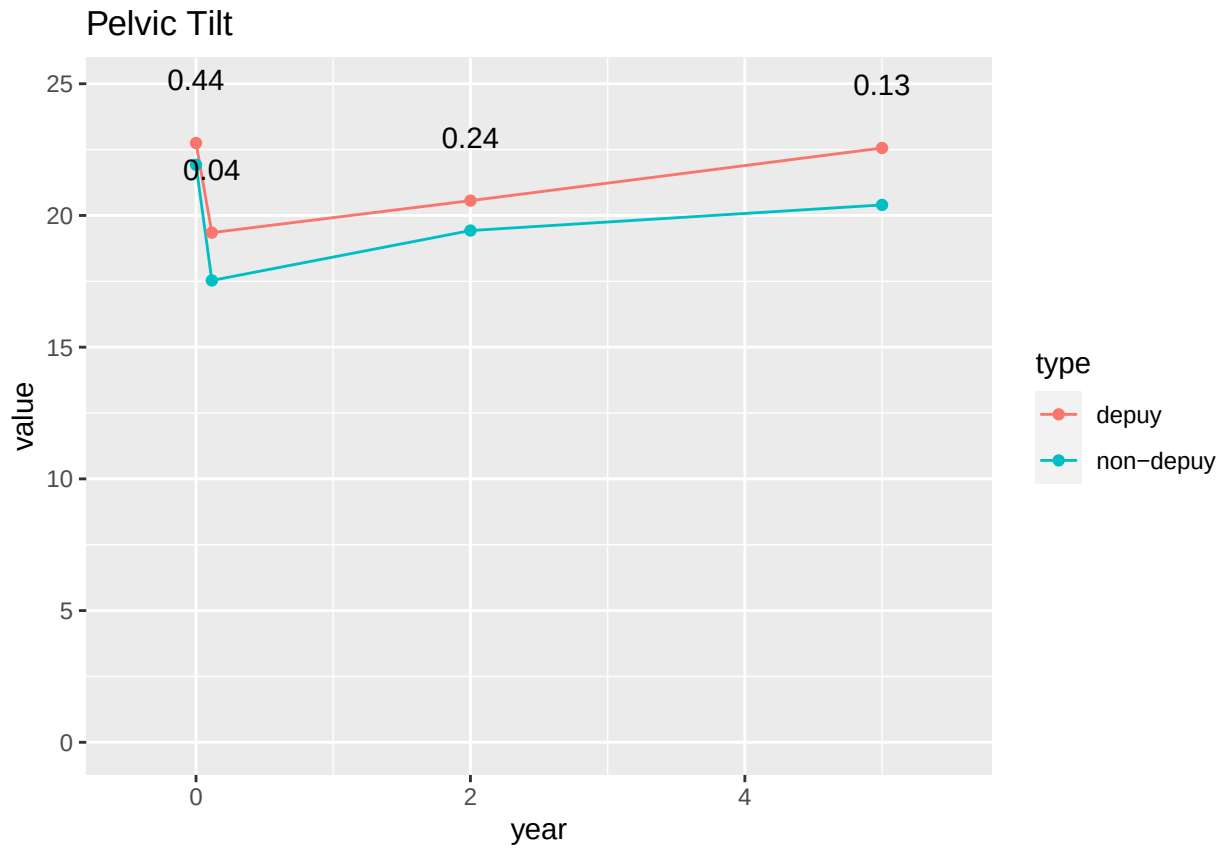

```
Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 55.20398 14.51866 221
2:     depuy 55.62070 13.62823 257
[1] "p_val"
[1] 0.7477202


6W. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 53.25469 13.83723 211
2:     depuy 54.99855 13.07877 242
[1] "p_val"
[1] 0.1706042


6W. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -1.5042233 7.625022 206
2:     depuy -0.4490041 5.940455 241
[1] "p_val"
[1] 0.1078483
```

```
2Y. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 53.86444 13.23712 205
2:     depuy 54.84374 14.01417 206
[1] "p_val"
[1] 0.4668569


2Y. Pelvic Incidence_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -1.1162500 7.633929 200
2:     depuy -0.3151232 7.703978 203
[1] "p_val"
[1] 0.2950205


5Y. Pelvic Incidence
[1] "stats"
        type     mean       sd   N
1: non-depuy 53.56809 12.63721  89
2:     depuy 55.61771 12.29691 105
[1] "p_val"
[1] 0.2559063


5Y. Pelvic Incidence_gain
[1] "stats"
        type        mean       sd   N
1: non-depuy -0.08229885 6.049910  87
2:     depuy -0.28252427 7.197486 103
[1] "p_val"
[1] 0.8351922


Pelvic Incidence tests
preop vs 6w p-value
0.1683717
6w vs 2y p-value
0.6969861

6w vs 5y p-value
0.6139017
2y vs 5y p-value
0.8594938
```



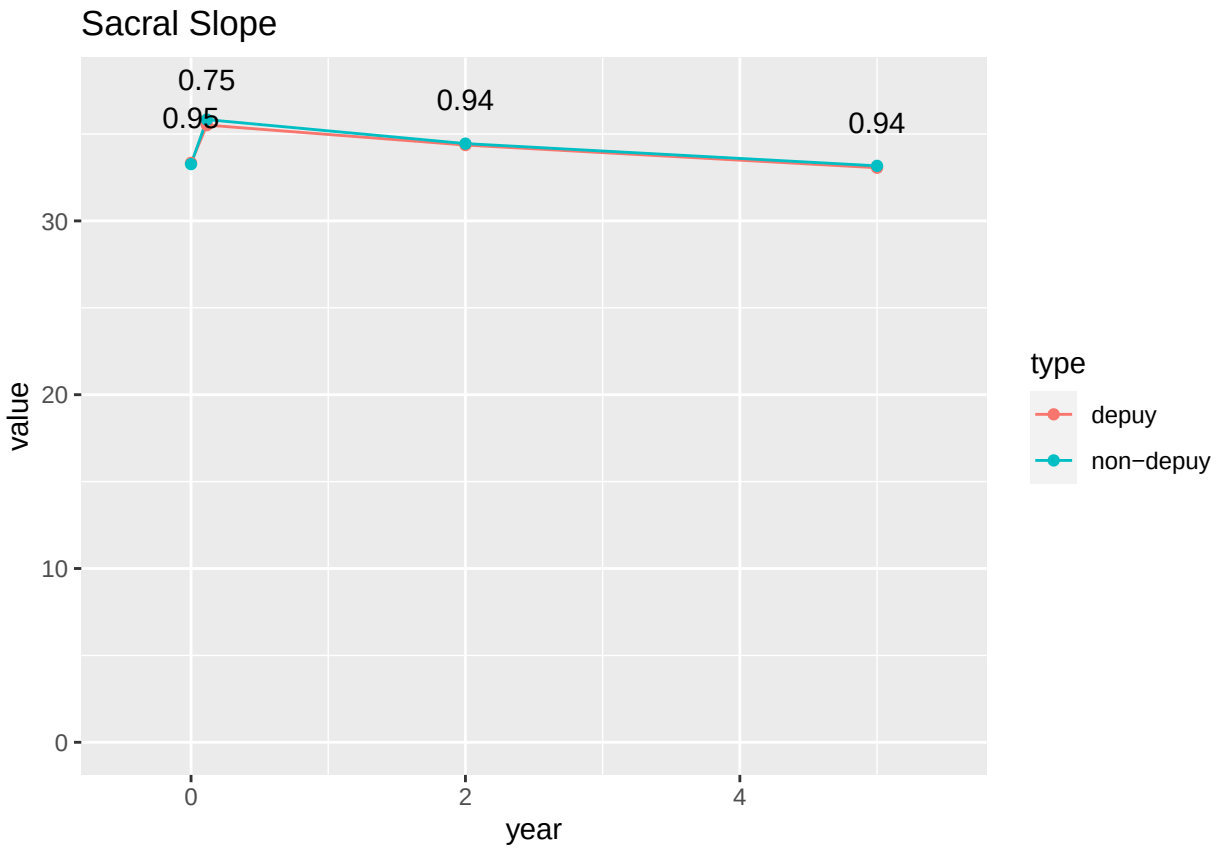

```
Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 21.92412 12.73628 221
2:     depuy 22.75004 10.30519 252
[1] "p_val"
[1] 0.4426958


6W. Pelvic Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 17.53148 9.679858 209
2:     depuy 19.34814 9.409235 242
[1] "p_val"
[1] 0.04469367


6W. Pelvic Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.018873 8.927130 204
2:     depuy -2.809873 8.593911 236
[1] "p_val"
[1] 0.1502307
```

```
2Y. Pelvic Tilt
[1] "stats"
        type     mean        sd   N
1: non-depuy 19.42741 10.278586 205
2:     depuy 20.56190  9.329106 205
[1] "p_val"
[1] 0.2426136


2Y. Pelvic Tilt_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy -2.50145 8.067849 200
2:     depuy -1.95770 7.718565 200
[1] "p_val"
[1] 0.4914047


5Y. Pelvic Tilt
[1] "stats"
        type     mean        sd   N
1: non-depuy 20.40022 10.015225  89
2:     depuy 22.56029  9.817733 105
[1] "p_val"
[1] 0.132618


5Y. Pelvic Tilt_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -0.8275862 7.406974  87
2:     depuy -0.8238614 8.483236 101
[1] "p_val"
[1] 0.9974391


Pelvic Tilt tests
preop vs 6w p-value
3.682162e-08
6w vs 2y p-value
0.05137769

6w vs 5y p-value
0.0005237892
2y vs 5y p-value
0.05445934
```



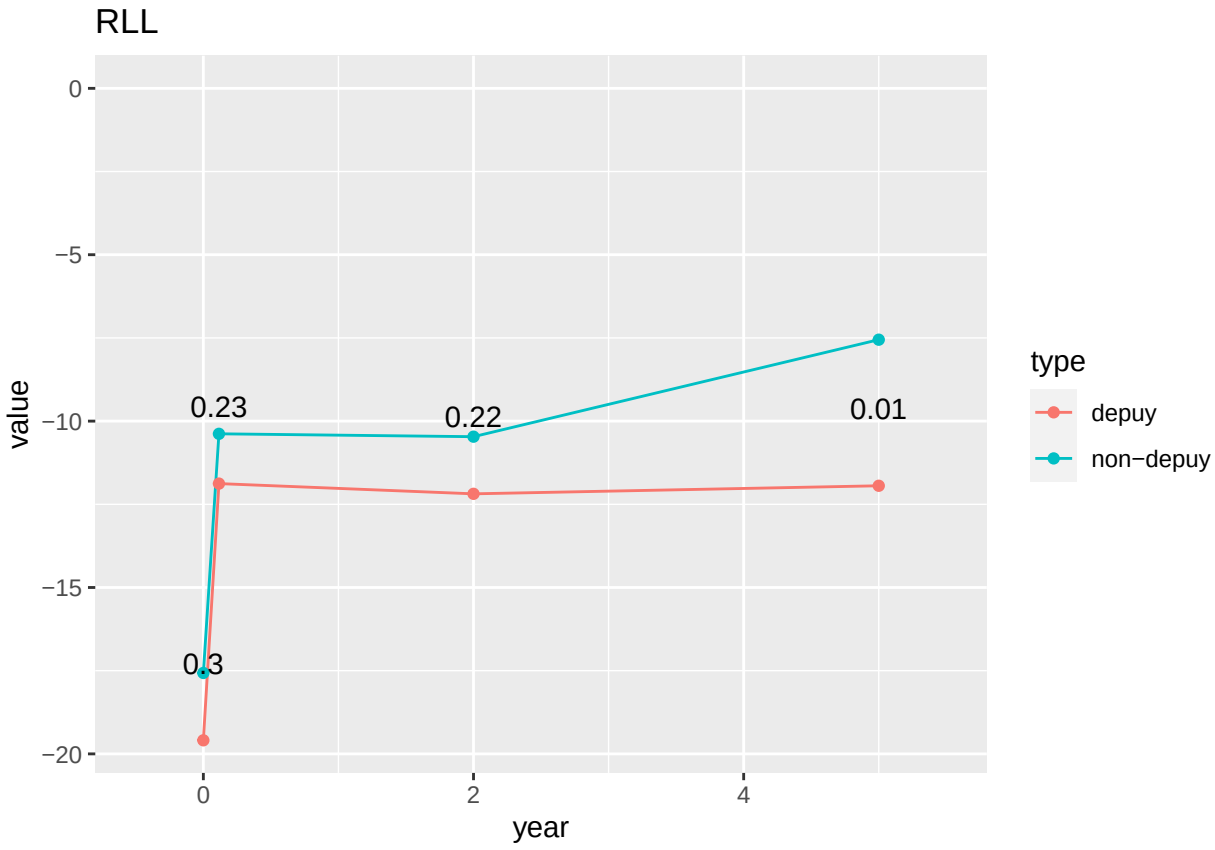

```
Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 33.26643 11.98823 221
2:     depuy 33.33685 10.83705 257
[1] "p_val"
[1] 0.9466716


6W. Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 35.82830 10.84162 212
2:     depuy 35.51189 10.26095 243
[1] "p_val"
[1] 0.7503563


6W. Sacral Slope_gain
[1] "stats"
        type     mean      sd   N
1: non-depuy 2.468164 9.52479 207
2:     depuy 2.207510 8.16113 241
[1] "p_val"
[1] 0.7579849
```

```
2Y. Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 34.44702 10.70244 205
2:     depuy 34.36277 11.63987 206
[1] "p_val"
[1] 0.9391429


2Y. Sacral Slope_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.410400 8.678281 200
2:     depuy 1.667685 7.566759 203
[1] "p_val"
[1] 0.7513901


5Y. Sacral Slope
[1] "stats"
        type     mean       sd   N
1: non-depuy 33.16730 10.07330  89
2:     depuy 33.05762 10.26091 105
[1] "p_val"
[1] 0.9403512


5Y. Sacral Slope_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 0.7217241 8.348501  87
2:     depuy 0.5066990 8.571521 103
[1] "p_val"
[1] 0.8614846


Sacral Slope tests
preop vs 6w p-value
0.00105845
6w vs 2y p-value
0.2463188

6w vs 5y p-value
0.008328968
2y vs 5y p-value
0.1063461
```



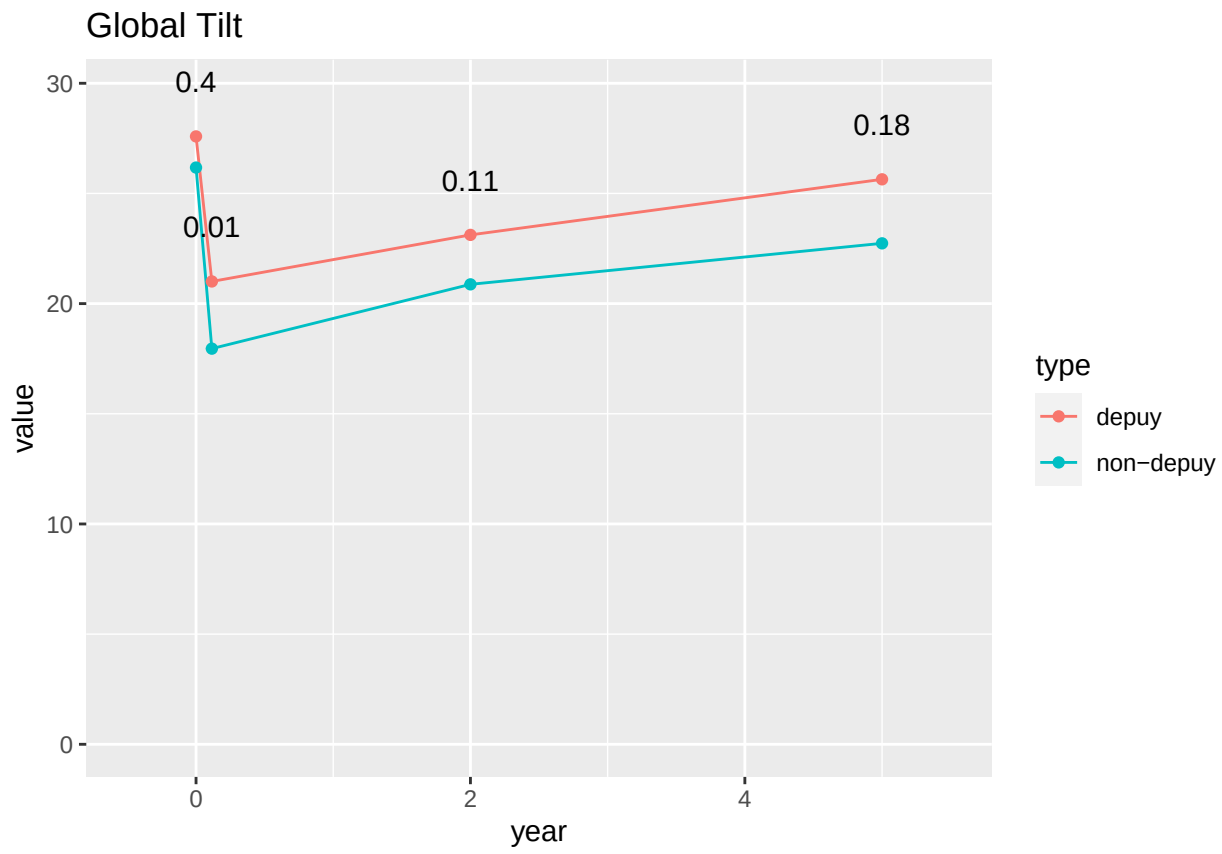

```
RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -17.56814 22.22158 221
2:     depuy -19.59184 19.76760 255
[1] "p_val"
[1] 0.2976521


6W. RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -10.38190 12.76805 211
2:     depuy -11.87792 13.80319 240
[1] "p_val"
[1] 0.2326054


6W. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 6.121893 19.24321 206
2:     depuy 7.648650 17.14234 237
[1] "p_val"
[1] 0.381529
```

```
2Y. RLL
[1] "stats"
        type      mean       sd   N
1: non-depuy -10.46804 12.82931 204
2:     depuy -12.18534 15.14401 206
[1] "p_val"
[1] 0.2159585


2Y. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 7.381005 17.22894 199
2:     depuy 8.237094 16.74428 203
[1] "p_val"
[1] 0.6137753


5Y. RLL
[1] "stats"
        type       mean        sd   N
1: non-depuy  -7.553034  7.863206  89
2:     depuy -11.943333 13.986126 105
[1] "p_val"
[1] 0.006704694


5Y. RLL_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 8.743908 15.54274  87
2:     depuy 8.276311 17.61951 103
[1] "p_val"
[1] 0.8461406


RLL tests
preop vs 6w p-value
1.269272e-10
6w vs 2y p-value
0.8665957

6w vs 5y p-value
0.0902822
2y vs 5y p-value
0.1405227
```



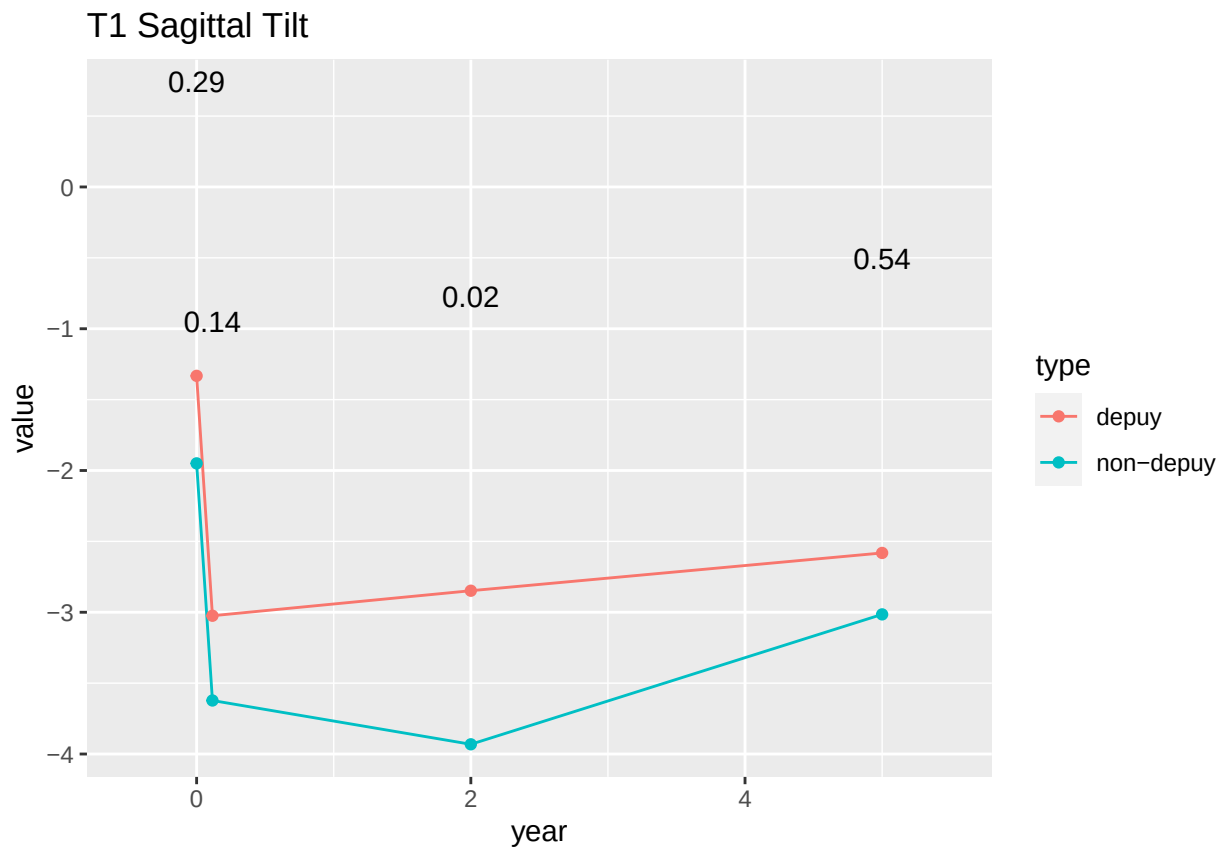

```
Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 26.17470 19.61141 217
2:     depuy 27.58839 16.54390 249
[1] "p_val"
[1] 0.404611


6W. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 17.95614 12.53273 207
2:     depuy 21.00552 12.02162 212
[1] "p_val"
[1] 0.0114254


6W. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -7.270200 14.54981 200
2:     depuy -6.788585 13.45752 205
[1] "p_val"
[1] 0.7298197
```

```
2Y. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 20.87402 14.46387 204
2:     depuy 23.11865 13.29363 193
[1] "p_val"
[1] 0.1079635


2Y. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -5.165127 12.50158 197
2:     depuy -4.994270 12.36767 185
[1] "p_val"
[1] 0.893291


5Y. Global Tilt
[1] "stats"
        type     mean       sd   N
1: non-depuy 22.73539 15.64267  89
2:     depuy 25.64067 14.29661 105
[1] "p_val"
[1] 0.1817117


5Y. Global Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -0.250814 11.87755  86
2:     depuy -3.243762 12.99761 101
[1] "p_val"
[1] 0.1018191


Global Tilt tests
preop vs 6w p-value
1.259254e-12
6w vs 2y p-value
0.02613935

6w vs 5y p-value
0.0003254208
2y vs 5y p-value
0.06030254
```



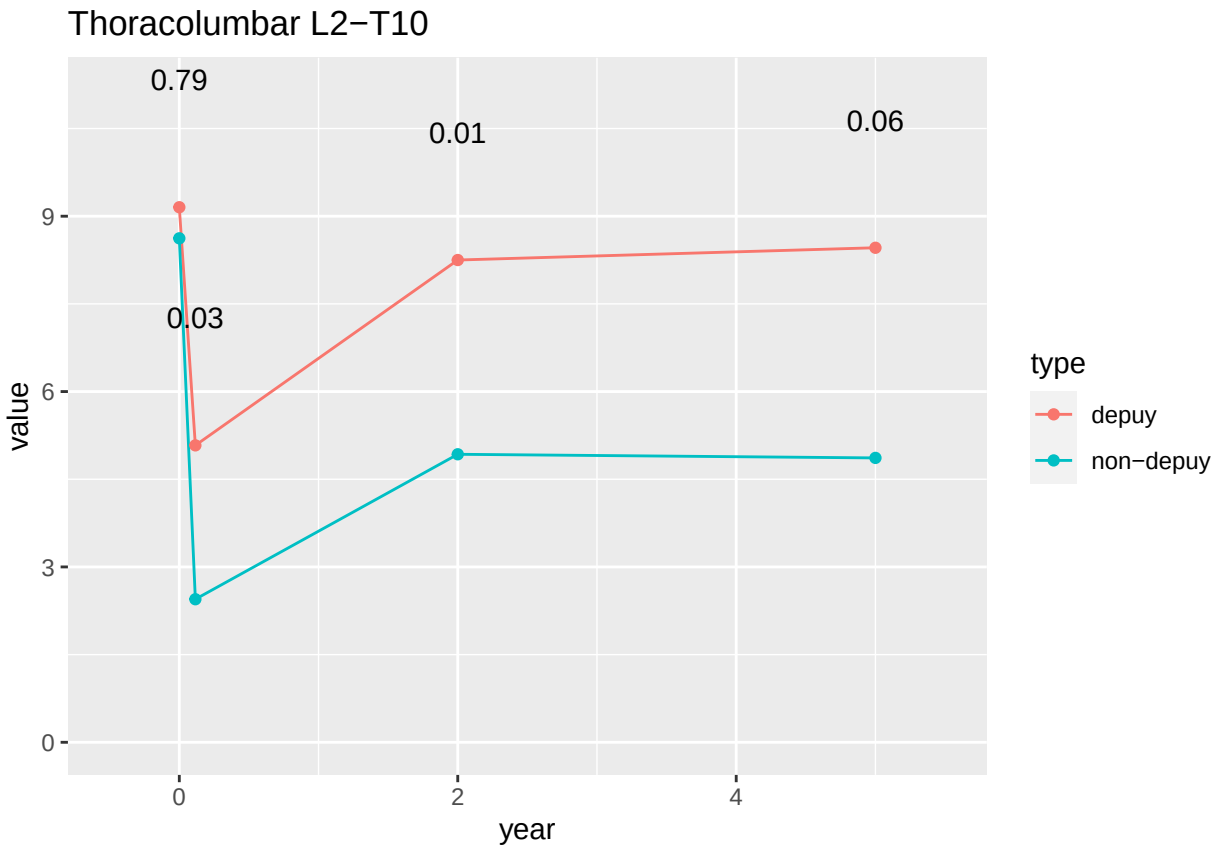

```
T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.949740 6.401253 216
2:     depuy -1.332452 6.048663 236
[1] "p_val"
[1] 0.2936738


6W. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.622453 4.019764 201
2:     depuy -3.024548 4.095851 204
[1] "p_val"
[1] 0.13895


6W. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.614733 5.897189 192
2:     depuy -2.009877 5.768438 186
[1] "p_val"
[1] 0.510589
```

```
2Y. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.931485 4.426703 201
2:     depuy -2.848121 4.563325 190
[1] "p_val"
[1] 0.01776685


2Y. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -1.959632 5.703220 192
2:     depuy -1.645837 6.376807 172
[1] "p_val"
[1] 0.6226238


5Y. T1 Sagittal Tilt
[1] "stats"
        type      mean       sd   N
1: non-depuy -3.015001 5.325634  89
2:     depuy -2.581622 4.411856 105
[1] "p_val"
[1] 0.5423924


5Y. T1 Sagittal Tilt_gain
[1] "stats"
        type      mean       sd  N
1: non-depuy  0.367310 5.806073 85
2:     depuy -1.575673 6.040897 97
[1] "p_val"
[1] 0.02836212


T1 Sagittal Tilt tests
preop vs 6w p-value
2.255719e-06
6w vs 2y p-value
0.6792338

6w vs 5y p-value
0.357757
2y vs 5y p-value
0.2404744
```



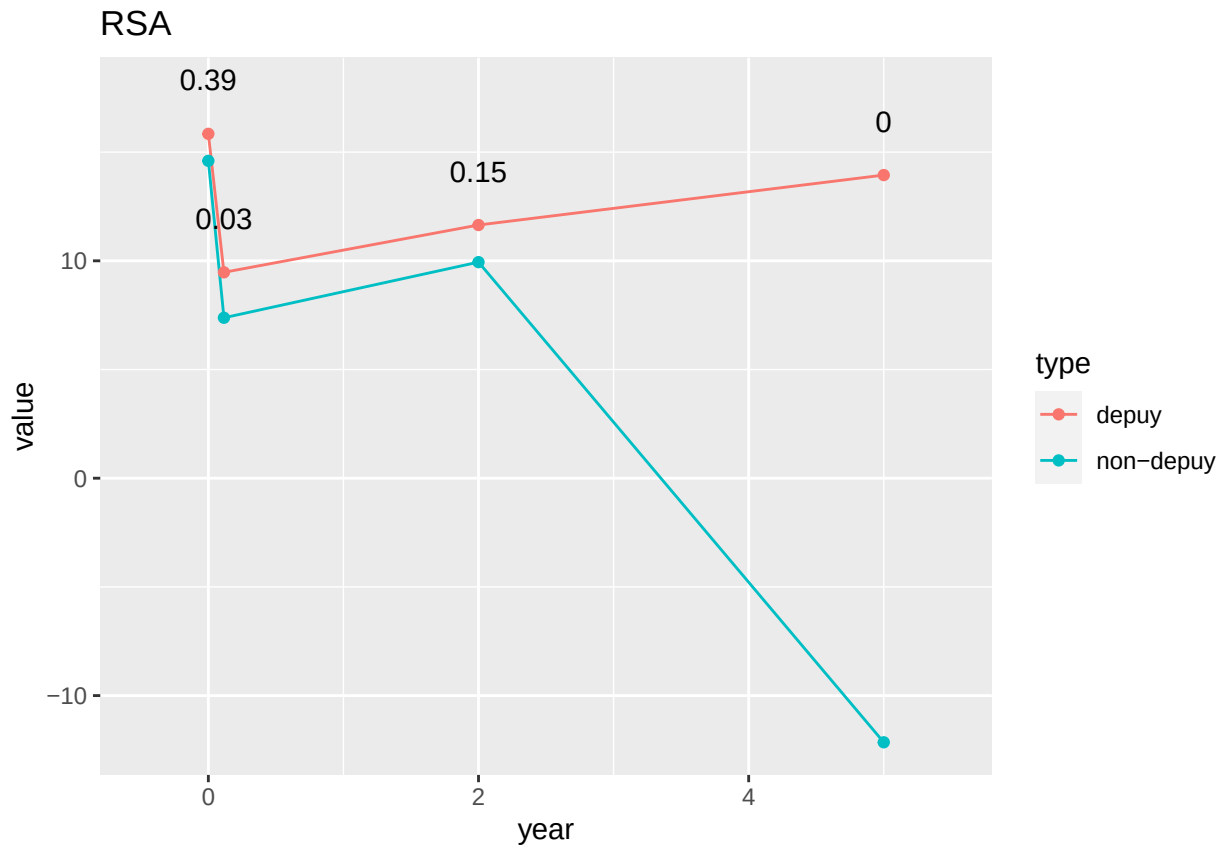

```
Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 8.621674 22.47005 221
2:     depuy 9.153439 20.61571 253
[1] "p_val"
[1] 0.7895376


6W. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.447707 12.91042 205
2:     depuy 5.079585 11.01987 217
[1] "p_val"
[1] 0.02522341


6W. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.286269 21.75903 201
2:     depuy -4.931043 18.57426 211
[1] "p_val"
[1] 0.4979094
```

```
2Y. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.927255 14.07600 204
2:     depuy 8.250452 12.79427 199
[1] "p_val"
[1] 0.01350422


2Y. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.078650 22.27995 200
2:     depuy -1.825928 18.65052 194
[1] "p_val"
[1] 0.2766022


5Y. Thoracolumbar L2-T10
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.865281 13.20502  89
2:     depuy 8.460294 13.21988 102
[1] "p_val"
[1] 0.06223789


5Y. Thoracolumbar L2-T10_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -8.816667 20.58039  87
2:     depuy -3.017228 20.27679 101
[1] "p_val"
[1] 0.05396865


Thoracolumbar L2-T10 tests
preop vs 6w p-value
9.924242e-06
6w vs 2y p-value
0.01257335

6w vs 5y p-value
0.01942851
2y vs 5y p-value
0.6797673
```



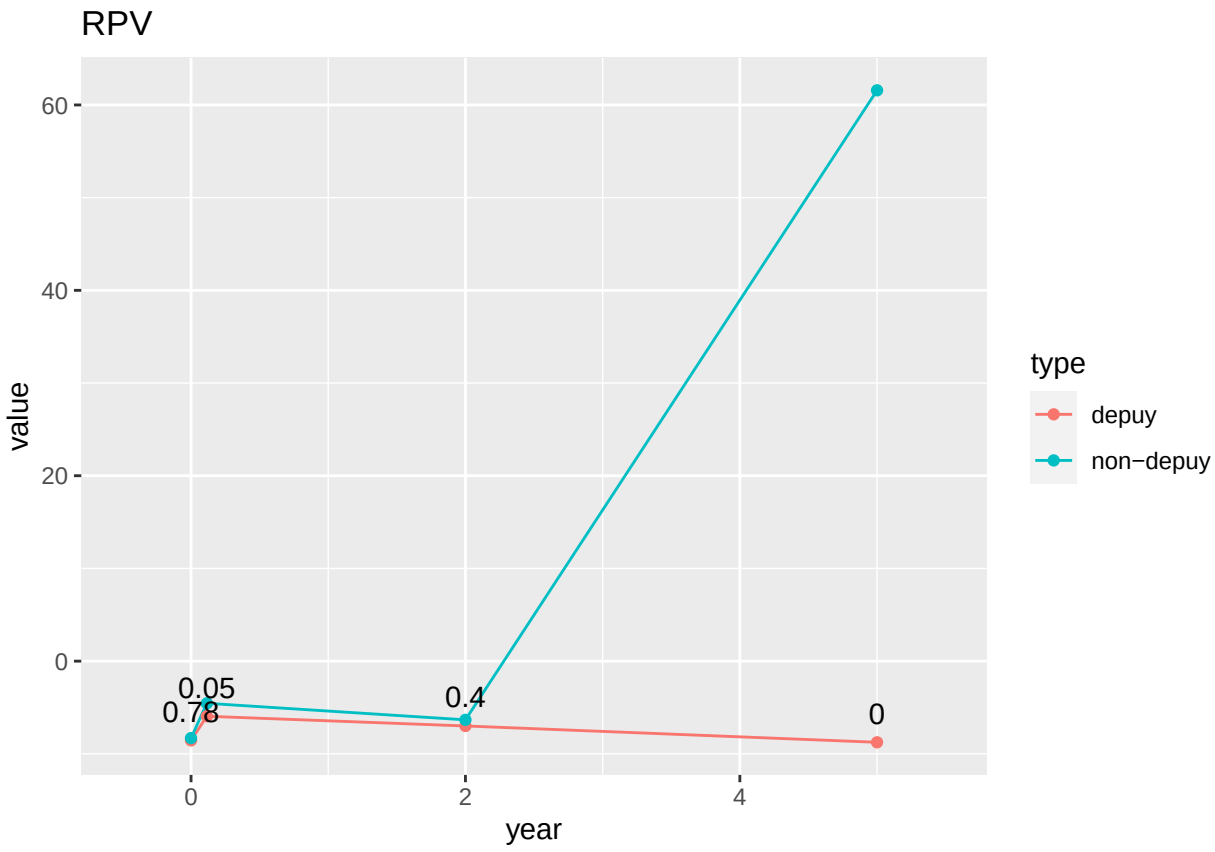

```
RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 14.59972 16.66320 217
2:     depuy 15.84237 14.19187 249
[1] "p_val"
[1] 0.3903373


6W. RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy 7.380193 9.868614 207
2:     depuy 9.470991 9.727611 212
[1] "p_val"
[1] 0.02955139


6W. RSA_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.530850 13.85988 200
2:     depuy -6.511902 12.73589 205
[1] "p_val"
[1] 0.988585
```

```
2Y. RSA
[1] "stats"
        type     mean       sd   N
1: non-depuy  9.93951 11.89568 204
2:     depuy 11.64694 11.58317 193
[1] "p_val"
[1] 0.1481794


2Y. RSA_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.664873 12.00445 197
2:     depuy -4.868162 11.29735 185
[1] "p_val"
[1] 0.8646979


5Y. RSA
[1] "stats"
        type      mean       sd   N
1: non-depuy -12.14809 14.06182  89
2:     depuy  13.94419 12.42085 105
[1] "p_val"
[1] 2.932878e-29


5Y. RSA_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy -25.570349 23.05929  86
2:     depuy  -3.137228 12.37460 101
[1] "p_val"
[1] 4.512799e-13


RSA tests
preop vs 6w p-value
6.90951e-15
6w vs 2y p-value
0.01537264

6w vs 5y p-value
3.24611e-07
2y vs 5y p-value
1.035372e-09
```




```
RPV
[1] "stats"
        type      mean        sd   N
1: non-depuy -8.303982 10.178047 221
2:     depuy -8.551211  8.454638 256
[1] "p_val"
[1] 0.775121


6W. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy -4.550047 7.635866 211
2:     depuy -5.947521 7.411339 242
[1] "p_val"
[1] 0.04948777


6W. RPV_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.382330 8.359279 206
2:     depuy 2.464625 7.898114 240
[1] "p_val"
[1] 0.2364371
```

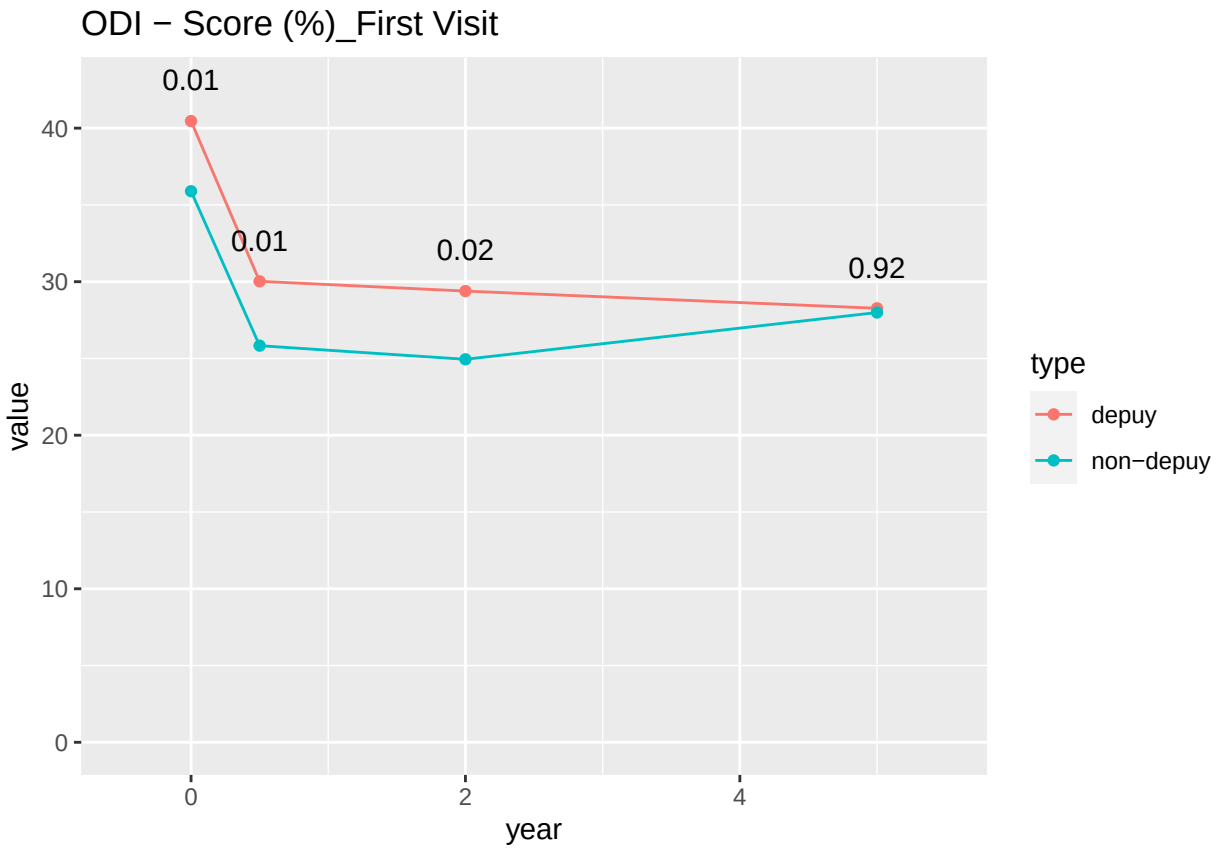
```
2Y. RPV
[1] "stats"
        type      mean       sd   N
1: non-depuy -6.333122 8.191092 205
2:     depuy -6.995340 7.811603 206
[1] "p_val"
[1] 0.4021575


2Y. RPV_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.068750 7.421364 200
2:     depuy 1.875743 6.702846 202
[1] "p_val"
[1] 0.7845686


5Y. RPV
[1] "stats"
        type      mean        sd   N
1: non-depuy 61.577978 10.287711  89
2:     depuy -8.756857  7.966381 105
[1] "p_val"
[1] 1.314478e-104


5Y. RPV_gain
[1] "stats"
        type       mean        sd   N
1: non-depuy 69.8302299 13.948638  87
2:     depuy  0.6730097  7.706509 103
[1] "p_val"
[1] 4.338483e-76


RPV tests
preop vs 6w p-value
1.871233e-08
6w vs 2y p-value
0.04040581

6w vs 5y p-value
1.57376e-23
2y vs 5y p-value
1.143171e-24
```



Quality of Life

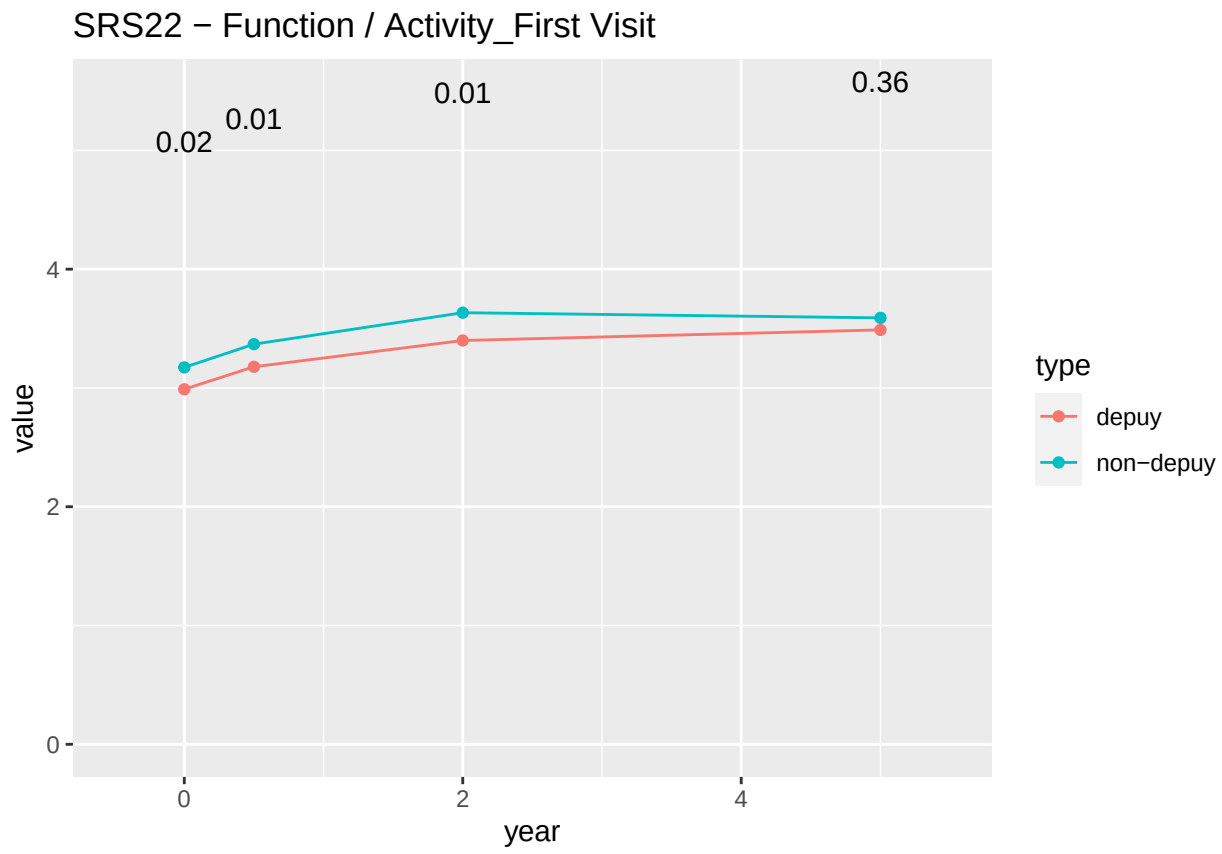
```
ODI - Score (%)_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 35.89401 20.49306 217
2:     depuy 40.46341 19.57082 246
[1] "p_val"
[1] 0.01486391


6M. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 25.83333 16.69289 192
2:     depuy 30.02500 17.82573 240
[1] "p_val"
[1] 0.01223778


6M. ODI - Score (%)_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy  -9.869565 18.72681 184
2:     depuy -10.982456 16.95679 228
```

```
[1] "p_val"
[1] 0.5321214


2Y. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 24.68780 20.24337 205
2:     depuy 29.39024 21.06477 246
[1] "p_val"
[1] 0.01629897


2Y. ODI - Score (%)_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy -11.00478 17.63233 209
2:     depuy -11.19087 16.99427 241
[1] "p_val"
[1] 0.9096508


5Y. ODI - Score (%)
[1] "stats"
        type     mean       sd   N
1: non-depuy 27.94958 23.35353 119
2:     depuy 28.55056 20.51567 178
[1] "p_val"
[1] 0.8198455


5Y. ODI - Score (%)_gain
[1] "stats"
        type       mean       sd   N
1: non-depuy  -8.975207 18.59411 121
2:     depuy -10.943182 17.19492 176
[1] "p_val"
[1] 0.3564524


ODI - Score (%)_First Visit tests
preop vs 6m p-value
1.97693e-15
6m vs 2y p-value
0.4810167

6m vs 5y p-value
0.9221599
2y vs 5y p-value
0.5073999
```



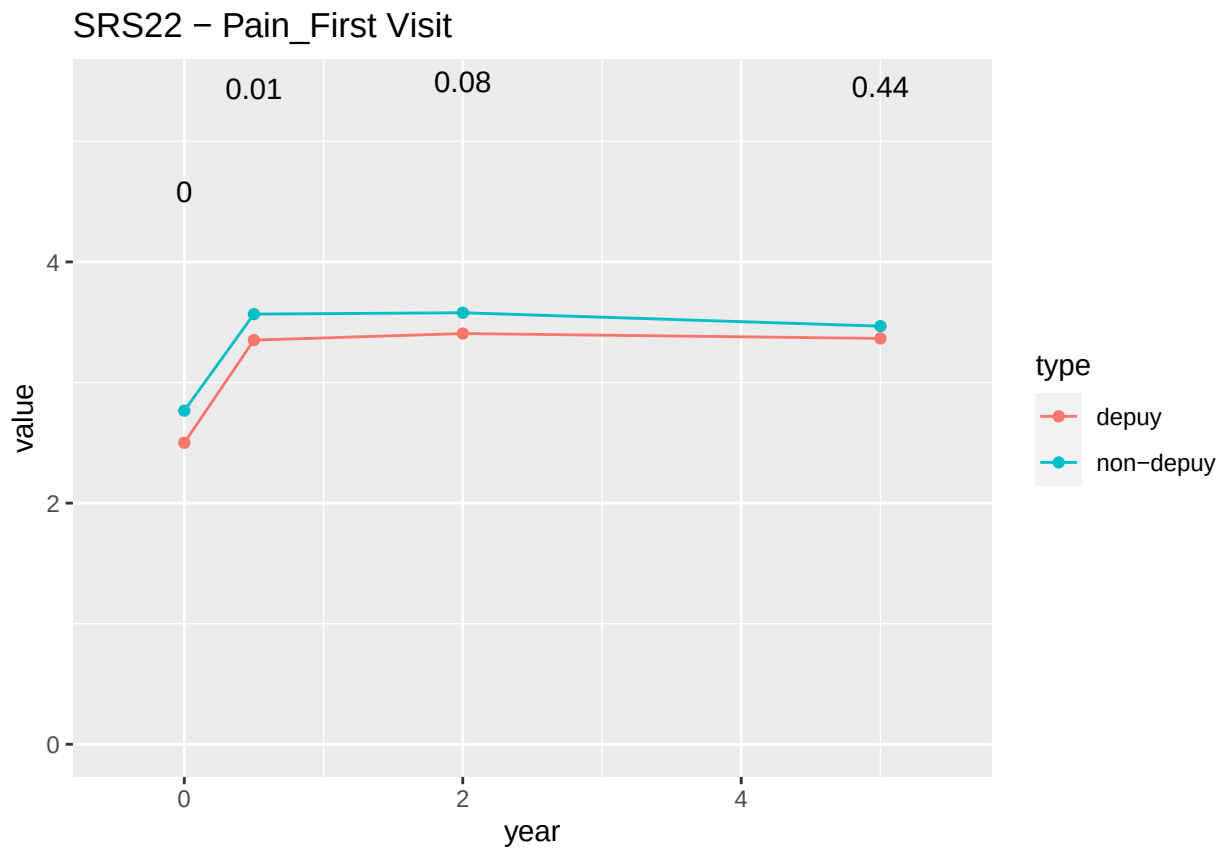

```
SRS22 - Function / Activity_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.173194 0.9020547 216
2:     depuy 2.989073 0.8069337 248
[1] "p_val"
[1] 0.02175911


6M. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.368718 0.7841693 195
2:     depuy 3.178347 0.7885638 242
[1] "p_val"
[1] 0.01222925


6M. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.1899468 0.7683669 188
2:     depuy 0.1995671 0.7791075 231
[1] "p_val"
[1] 0.8992654
```

```
2Y. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.648049 0.9287331 205
2:     depuy 3.396382 0.9253881 246
[1] "p_val"
[1] 0.004303619


2Y. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4748325 0.7558885 209
2:     depuy 0.3918852 0.7216206 244
[1] "p_val"
[1] 0.2351489


5Y. SRS22 - Function / Activity
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.582479 1.0011379 121
2:     depuy 3.457303 0.8734091 178
[1] "p_val"
[1] 0.2653395


5Y. SRS22 - Function / Activity_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4424390 0.8488646 123
2:     depuy 0.4497207 0.7286060 179
[1] "p_val"
[1] 0.9382783


SRS22 - Function / Activity_First Visit tests
preop vs 6m p-value
0.0006230904
6m vs 2y p-value
2.229287e-05

6m vs 5y p-value
0.0002136056
2y vs 5y p-value
0.9676347
```



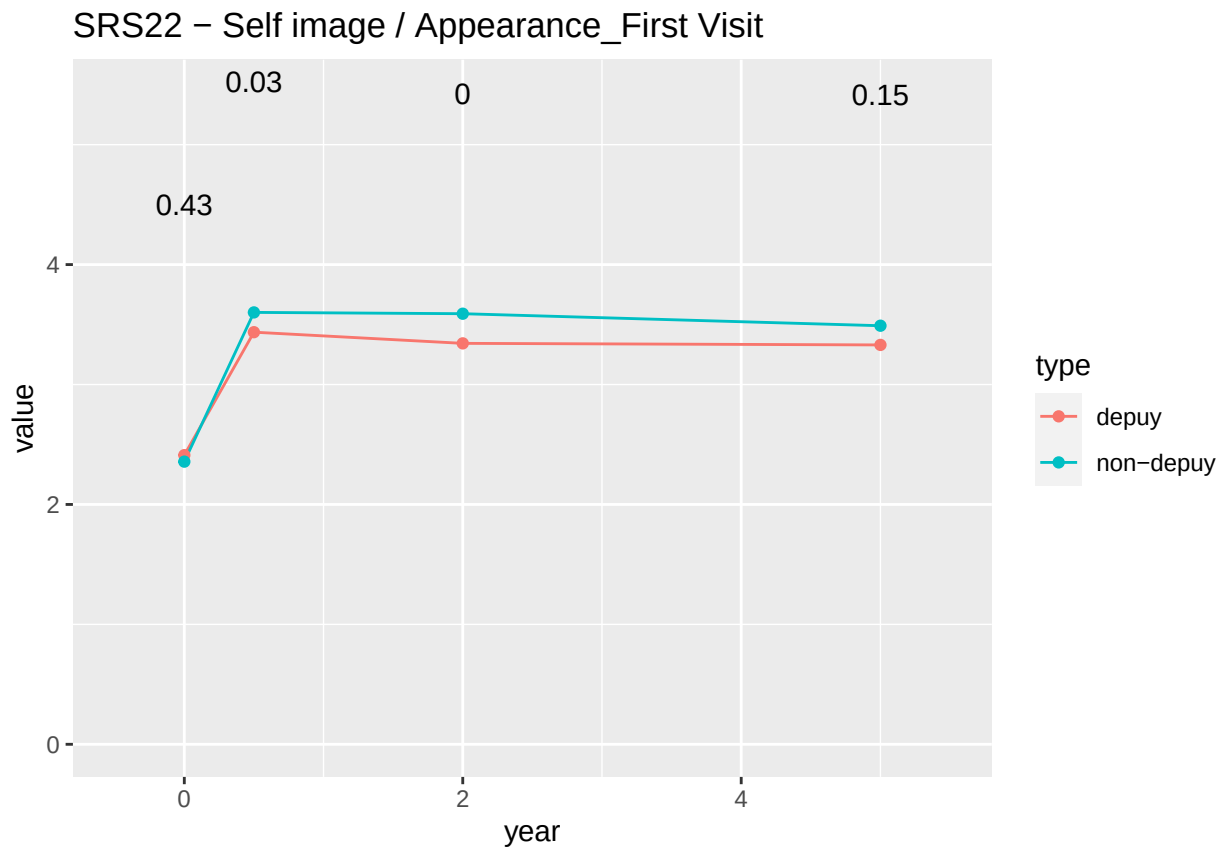

```
SRS22 - Pain_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.766389 0.9804953 216
2:     depuy 2.500484 0.9443429 248
[1] "p_val"
[1] 0.003195792


6M. SRS22 - Pain
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.567179 0.8188499 195
2:     depuy 3.351446 0.9539992 242
[1] "p_val"
[1] 0.01135149


6M. SRS22 - Pain_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.8072340 0.9682720 188
2:     depuy 0.8693939 0.9626357 231
[1] "p_val"
[1] 0.5126672
```

```
2Y. SRS22 - Pain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.600878 1.064697 205
2:     depuy 3.410976 1.095548 246
[1] "p_val"
[1] 0.0633601


2Y. SRS22 - Pain_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.8458852 0.9393857 209
2:     depuy 0.9045492 0.9702417 244
[1] "p_val"
[1] 0.514341


5Y. SRS22 - Pain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.459752 1.152435 121
2:     depuy 3.352528 1.118858 178
[1] "p_val"
[1] 0.4250394


5Y. SRS22 - Pain_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 0.8021138 1.000172 123
2:     depuy 0.8218436 1.056407 179
[1] "p_val"
[1] 0.869381


SRS22 - Pain_First Visit tests
preop vs 6m p-value
1.537316e-36
6m vs 2y p-value
0.4584437

6m vs 5y p-value
0.5090881
2y vs 5y p-value
0.2225362
```



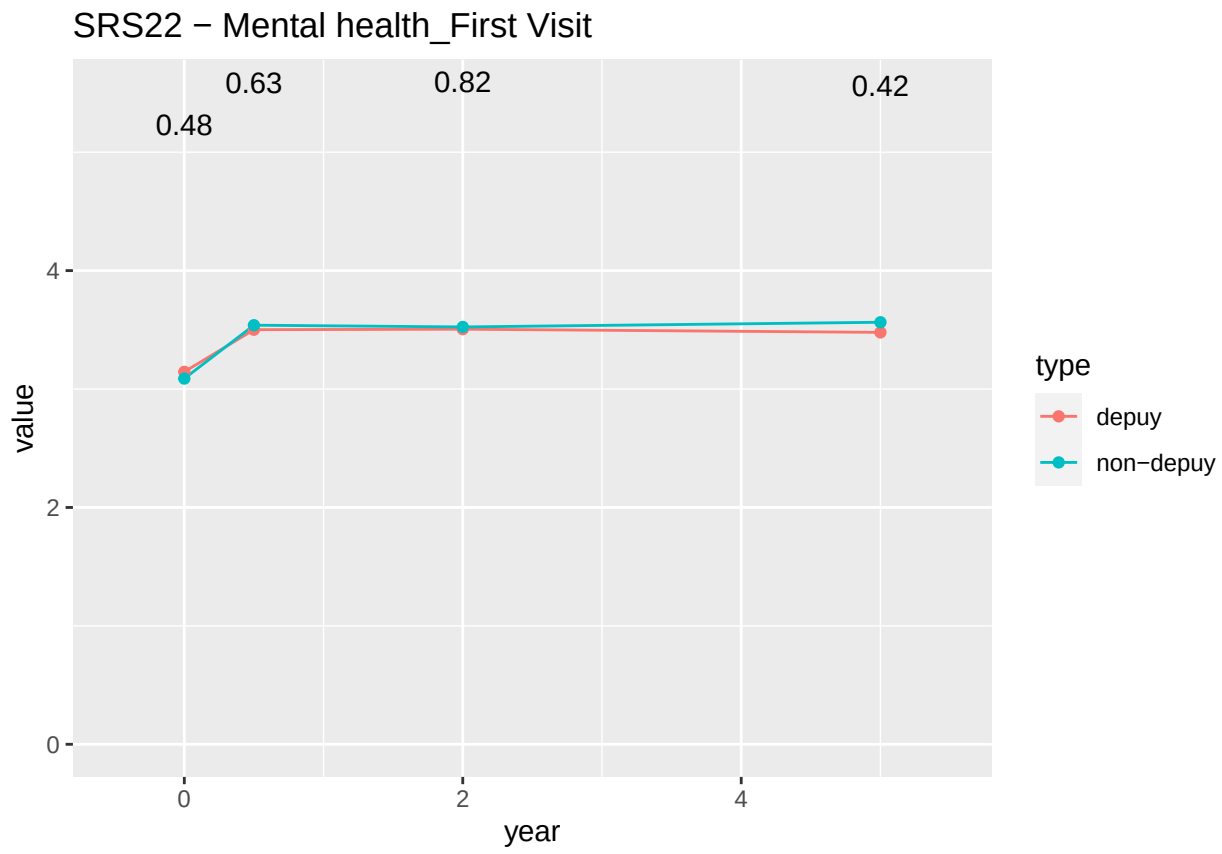

```
SRS22 - Self image / Appearance_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.356898 0.7373807 216
2:     depuy 2.411008 0.7305919 248
[1] "p_val"
[1] 0.428867


6M. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.601282 0.7583799 195
2:     depuy 3.436322 0.8471922 242
[1] "p_val"
[1] 0.03252696


6M. SRS22 - Self image / Appearance_gain
[1] "stats"
        type     mean        sd   N
1: non-depuy 1.242872 0.9224220 188
2:     depuy 1.053723 0.9320524 231
[1] "p_val"
[1] 0.03835653
```

```
2Y. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.622049 0.9025909 205
2:     depuy 3.343496 0.9283068 246
[1] "p_val"
[1] 0.001370755


2Y. SRS22 - Self image / Appearance_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 1.2546890 0.9487786 209
2:     depuy 0.9334836 0.9588817 244
[1] "p_val"
[1] 0.000389729


5Y. SRS22 - Self image / Appearance
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.480579 0.9786337 121
2:     depuy 3.315449 0.9462833 178
[1] "p_val"
[1] 0.1479368


5Y. SRS22 - Self image / Appearance_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 1.1124390 0.9203655 123
2:     depuy 0.9255307 0.9264109 179
[1] "p_val"
[1] 0.08491884


SRS22 - Self image / Appearance_First Visit tests
preop vs 6m p-value
2.775625e-84
6m vs 2y p-value
0.4955252

6m vs 5y p-value
0.06030789
2y vs 5y p-value
0.2142941
```



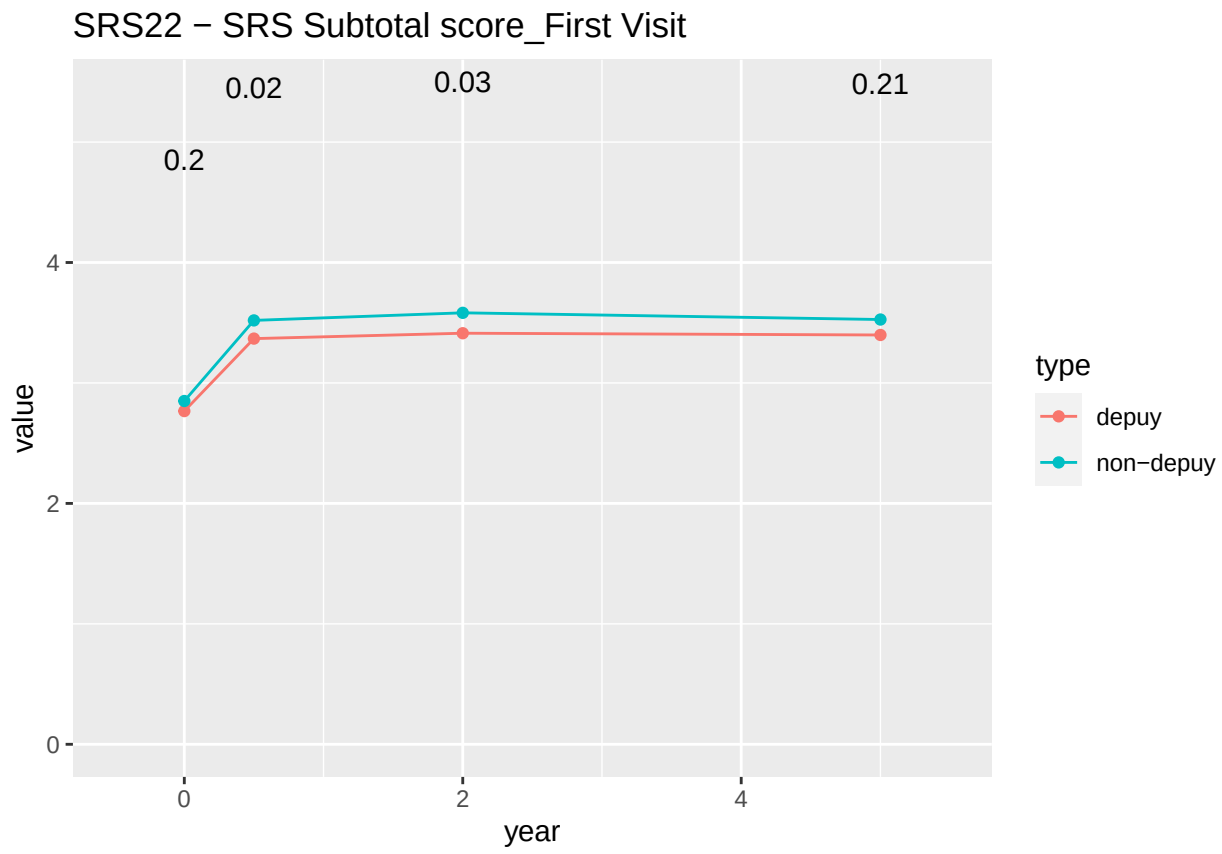

```
SRS22 - Mental health_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.088194 0.8663003 216
2:     depuy 3.145081 0.8475528 248
[1] "p_val"
[1] 0.4764035


6M. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.538974 0.7871513 195
2:     depuy 3.500868 0.8786191 242
[1] "p_val"
[1] 0.633214


6M. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4247340 0.8014275 188
2:     depuy 0.3654978 0.8244232 231
[1] "p_val"
[1] 0.458003
```

```
2Y. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.533024 0.8490633 205
2:     depuy 3.497764 1.0041674 246
[1] "p_val"
[1] 0.6863707


2Y. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4273684 0.8519459 209
2:     depuy 0.3666803 0.8229277 244
[1] "p_val"
[1] 0.4430467


5Y. SRS22 - Mental health
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.574793 0.9356398 121
2:     depuy 3.460955 0.9133694 178
[1] "p_val"
[1] 0.2981234


5Y. SRS22 - Mental health_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.4528455 0.8067162 123
2:     depuy 0.2797207 0.8504172 179
[1] "p_val"
[1] 0.07421403


SRS22 - Mental health_First Visit tests
preop vs 6m p-value
3.055862e-12
6m vs 2y p-value
0.9454234

6m vs 5y p-value
0.8709381
2y vs 5y p-value
0.9221221
```



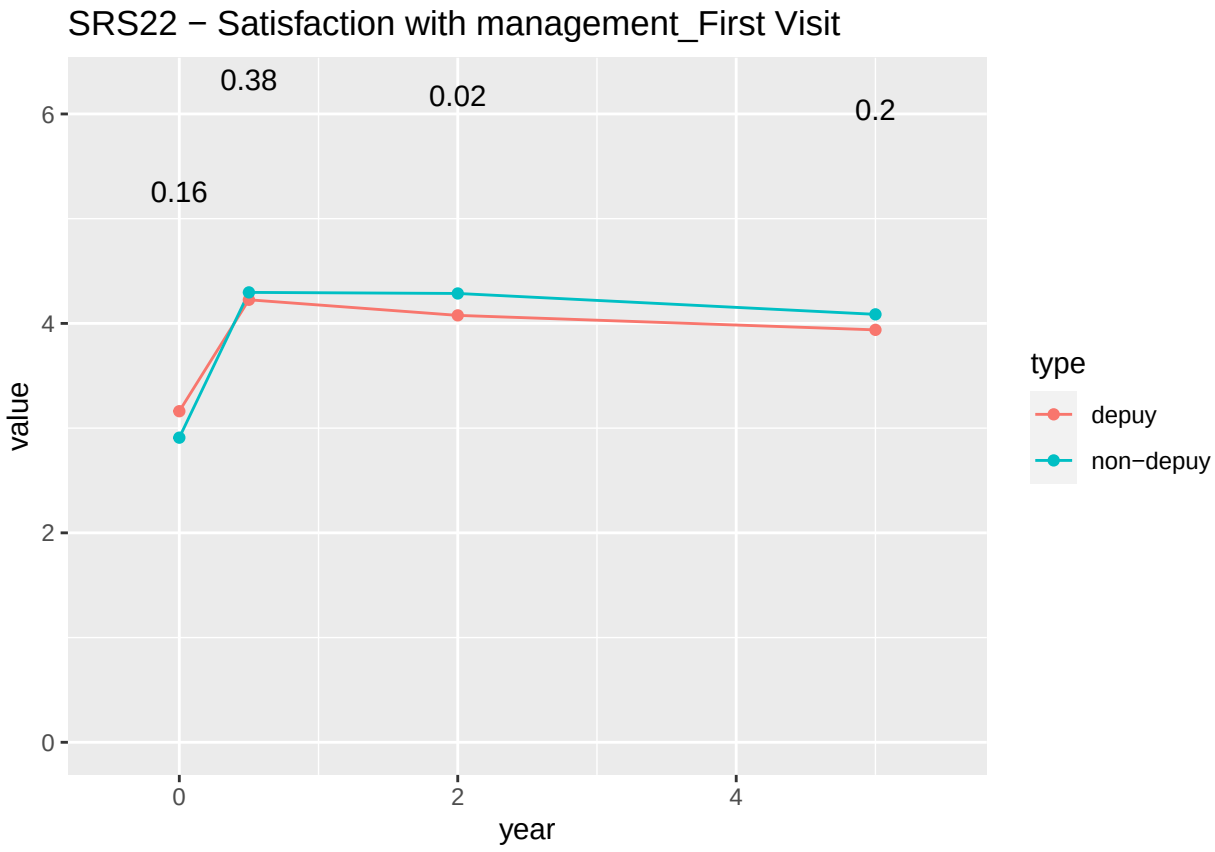

```
SRS22 - SRS Subtotal score_First Visit
[1] "stats"
        type     mean        sd   N
1: non-depuy 2.850139 0.7138565 216
2:     depuy 2.766613 0.6706537 248
[1] "p_val"
[1] 0.1966754


6M. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.519385 0.6184014 195
2:     depuy 3.368264 0.7197875 242
[1] "p_val"
[1] 0.01874133


6M. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.6621809 0.6446514 188
2:     depuy 0.6181818 0.6399098 231
[1] "p_val"
[1] 0.4861126
```

```
2Y. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.602000 0.7933729 205
2:     depuy 3.411504 0.8714823 246
[1] "p_val"
[1] 0.01559511


2Y. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.7466507 0.6681010 209
2:     depuy 0.6437295 0.6722204 244
[1] "p_val"
[1] 0.1038482


5Y. SRS22 - SRS Subtotal score
[1] "stats"
        type     mean        sd   N
1: non-depuy 3.523058 0.8845581 121
2:     depuy 3.378380 0.8831456 179
[1] "p_val"
[1] 0.1655361


5Y. SRS22 - SRS Subtotal score_gain
[1] "stats"
        type      mean        sd   N
1: non-depuy 0.6961789 0.6890770 123
2:     depuy 0.5925556 0.7530817 180
[1] "p_val"
[1] 0.2169307


SRS22 - SRS Subtotal score_First Visit tests
preop vs 6m p-value
2.238438e-39
6m vs 2y p-value
0.2238158

6m vs 5y p-value
0.9863684
2y vs 5y p-value
0.3430075
```



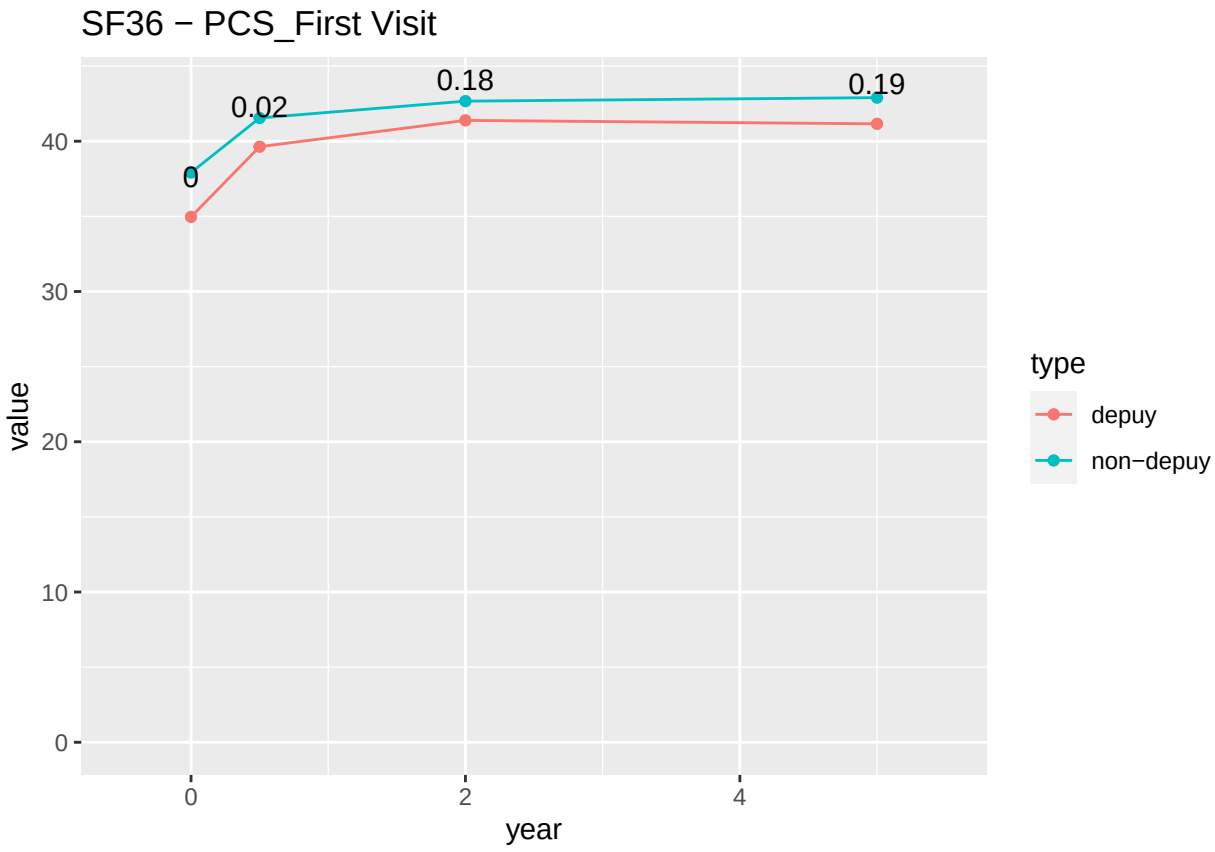

```
SRS22 - Satisfaction with management_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 2.909091 1.030199  44
2:     depuy 3.161585 1.078137 164
[1] "p_val"
[1] 0.1573486


6M. SRS22 - Satisfaction with management
[1] "stats"
        type     mean        sd   N
1: non-depuy 4.296296 0.7628593 189
2:     depuy 4.225738 0.8905649 237
[1] "p_val"
[1] 0.3792426


6M. SRS22 - Satisfaction with management_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.320513 1.248616  39
2:     depuy 1.113333 1.338820 150
[1] "p_val"
[1] 0.3667283
```

```
2Y. SRS22 - Satisfaction with management
[1] "stats"
        type    mean        sd   N
1: non-depuy 4.31250 0.8349127 200
2:     depuy 4.07438 1.0538630 242
[1] "p_val"
[1] 0.008341939


2Y. SRS22 - Satisfaction with management_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 1.162791 1.261711  43
2:     depuy 0.853125 1.348884 160
[1] "p_val"
[1] 0.1636524


5Y. SRS22 - Satisfaction with management
[1] "stats"
        type     mean        sd   N
1: non-depuy 4.070833 0.9815436 120
2:     depuy 3.946328 1.0383009 177
[1] "p_val"
[1] 0.295682


5Y. SRS22 - Satisfaction with management_gain
[1] "stats"
        type      mean       sd   N
1: non-depuy 1.2272727 1.231684  33
2:     depuy 0.7982456 1.229647 114
[1] "p_val"
[1] 0.08382509


SRS22 - Satisfaction with management_First Visit tests
preop vs 6m p-value
9.057928e-34
6m vs 2y p-value
0.2220012

6m vs 5y p-value
0.0002972714
2y vs 5y p-value
0.01338316
```



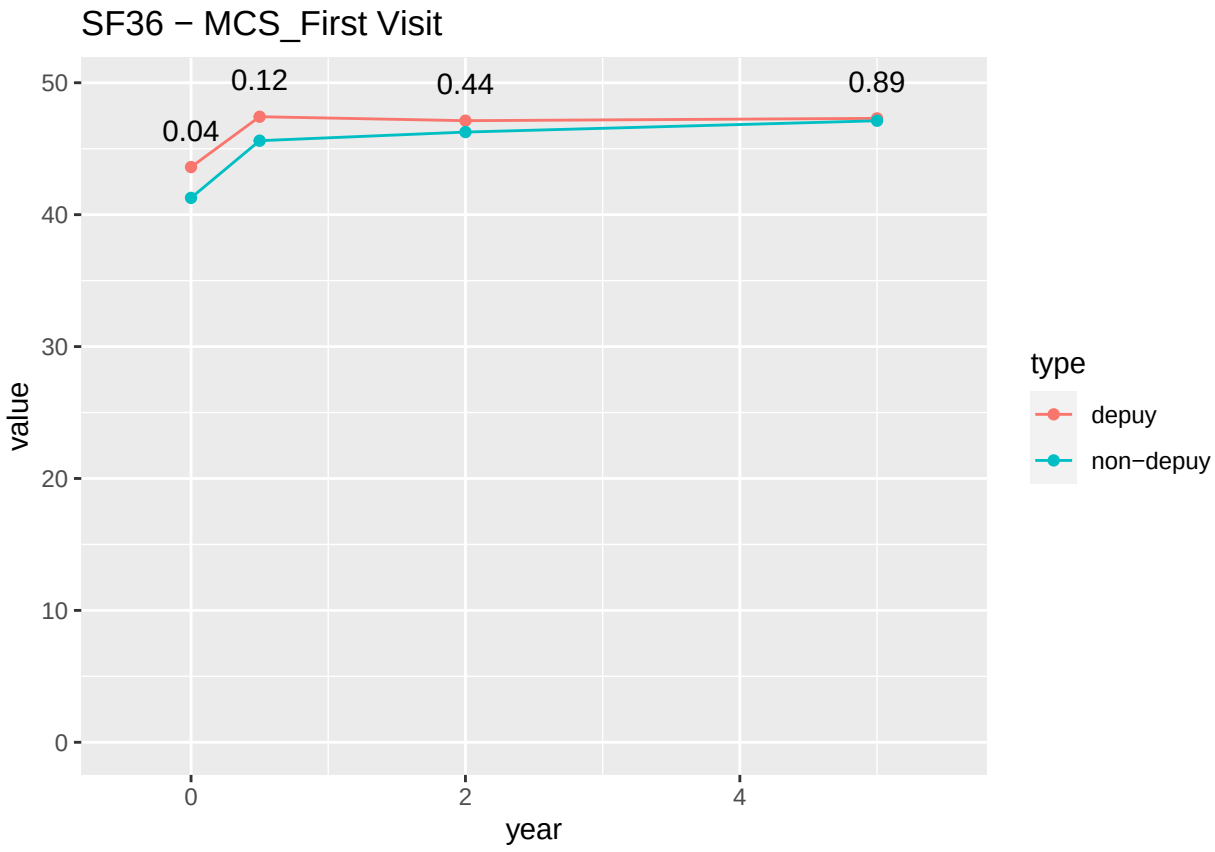

```
SF36 - PCS_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 37.91383 8.812595 206
2:     depuy 34.96494 9.329975 247
[1] "p_val"
[1] 0.0006080046


6M. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 41.54760 8.202602 183
2:     depuy 39.63639 9.127802 241
[1] "p_val"
[1] 0.02416974


6M. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 3.920294 9.224947 170
2:     depuy 4.737652 8.809461 230
[1] "p_val"
[1] 0.3725316
```

```
2Y. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 42.91207 10.21067 198
2:     depuy 41.34494 10.37093 244
[1] "p_val"
[1] 0.1118262


2Y. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.943897 9.317694 195
2:     depuy 6.280523 9.493081 239
[1] "p_val"
[1] 0.1412359


5Y. SF36 - PCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 42.84547 11.13025 117
2:     depuy 41.09875 11.22210 176
[1] "p_val"
[1] 0.1909597


5Y. SF36 - PCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.355487 10.25777 113
2:     depuy 5.834261 10.14046 176
[1] "p_val"
[1] 0.6976818


SF36 - PCS_First Visit tests
preop vs 6m p-value
1.480501e-11
6m vs 2y p-value
0.01493572

6m vs 5y p-value
0.08797887
2y vs 5y p-value
0.7592978
```




```
SF36 - MCS_First Visit
[1] "stats"
        type     mean       sd   N
1: non-depuy 41.27311 11.60587 206
2:     depuy 43.60664 12.08924 247
[1] "p_val"
[1] 0.03710838


6M. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 45.60858 11.24779 183
2:     depuy 47.42515 12.48295 241
[1] "p_val"
[1] 0.1170693


6M. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 4.407353 11.81858 170
2:     depuy 3.608043 11.40459 230
[1] "p_val"
[1] 0.4977905
```

```
2Y. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 46.63308 11.12454 198
2:     depuy 47.17889 12.97837 244
[1] "p_val"
[1] 0.6343806


2Y. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.177179 12.24835 195
2:     depuy 3.408947 11.46844 239
[1] "p_val"
[1] 0.1245289


5Y. SF36 - MCS
[1] "stats"
        type     mean       sd   N
1: non-depuy 47.14385 12.27181 117
2:     depuy 47.18932 11.31031 177
[1] "p_val"
[1] 0.9744379


5Y. SF36 - MCS_gain
[1] "stats"
        type     mean       sd   N
1: non-depuy 5.277699 13.12295 113
2:     depuy 3.012260 11.25216 177
[1] "p_val"
[1] 0.1315421


SF36 - MCS_First Visit tests
preop vs 6m p-value
4.829761e-07
6m vs 2y p-value
0.7210139

6m vs 5y p-value
0.5543343
2y vs 5y p-value
0.7911747
```



Surgery

```
Total Operative Blood Loss st1+st2+st3
[1] "stats"
        type     mean      sd   N
1: non-depuy 1359.333 1027.07 171
2:     depuy 1528.104 1267.89 260
[1] "p_val"
[1] 0.1296417


Total surgical time
[1] "stats"
        type     mean       sd   N
1: non-depuy 297.3750 188.5819 224
2:     depuy 340.7375 159.4847 259
[1] "p_val"
[1] 0.007095454


Number of Posterior Instrumented Levels
[1] "stats"
        type      mean       sd   N
1: non-depuy 11.182222 3.706611 225
2:     depuy  8.334615 3.787751 260
```

```
[1] "p_val"
[1] 7.388638e-16


Pelvic fixation
[1] "table_depuy"

 No Yes
154 106
[1] "proportion_depuy"

       No       Yes
0.5923077 0.4076923
[1] "table_nondepuy"

 No Yes
130  95
[1] "proportion_nondepuy"

       No       Yes
0.5777778 0.4222222
[1] "p_val_No"
[1] 0.7726174
[1] "p_val_NA"
[1] NaN
[1] "p_val_Yes"
[1] 0.8490206


Surgical Approach
[1] "table_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
                 5                250                  5
[1] "proportion_depuy"

Anterior-Posterior          Posterior Posterior-Anterior
        0.01923077         0.96153846         0.01923077
[1] "table_nondepuy"
< table of extent 0 >
[1] "proportion_nondepuy"
numeric(0)
[1] "p_val_NA"
[1] NaN
[1] "p_val_Posterior"
[1] 1.724689e-98
[1] "p_val_Anterior-Posterior"
[1] 0.09998745
[1] "p_val_Posterior-Anterior"
[1] 0.09998745


Number of Interbody Fusions
[1] "stats"
```

```
        type     mean        sd   N
1: non-depuy 1.605263 0.8653161  76
2:     depuy 1.084615 1.3124566 260
[1] "p_val"
[1] 7.344185e-05


Decompression
[1] "table_depuy"

 No Yes
173  87
[1] "proportion_depuy"

       No       Yes
0.6653846 0.3346154
[1] "table_nondepuy"

 No Yes
191  35
[1] "proportion_nondepuy"

       No       Yes
0.8451327 0.1548673
[1] "p_val_No"
[1] 8.455121e-06
[1] "p_val_Yes"
[1] 8.455121e-06


Interbody Fusion
[1] "table_depuy"

 No Yes
121 139
[1] "proportion_depuy"

       No       Yes
0.4653846 0.5346154
[1] "table_nondepuy"

 No Yes
150  76
[1] "proportion_nondepuy"

       No       Yes
0.6637168 0.3362832
[1] "p_val_No"
[1] 1.713436e-05
[1] "p_val_Yes"
[1] 1.713436e-05


Osteotomy
```

```
[1] "table_depuy"

 No Yes
121 139
[1] "proportion_depuy"

       No       Yes
0.4653846 0.5346154
[1] "table_nondepuy"

 No Yes
123 103
[1] "proportion_nondepuy"

       No       Yes
0.5442478 0.4557522
[1] "p_val_No"
[1] 0.1003043
[1] "p_val_Yes"
[1] 0.1003043


3CO
[1] "table_depuy"

FALSE  TRUE
  219    41
[1] "proportion_depuy"

    FALSE      TRUE
0.8423077 0.1576923
[1] "table_nondepuy"

FALSE  TRUE
  128    97
[1] "proportion_nondepuy"

    FALSE      TRUE
0.5688889 0.4311111
[1] "p_val_FALSE"
[1] 3.751119e-11
[1] "p_val_TRUE"
[1] 7.027708e-11
[1] "p_val_NA"
[1] NaN


uiv_t10_12_l1
[1] "table_depuy"

 No Yes
233  27
[1] "proportion_depuy"
```

```
       No       Yes
0.8961538 0.1038462
[1] "table_nondepuy"

 No Yes
217   9
[1] "proportion_nondepuy"

        No        Yes
0.96017699 0.03982301
[1] "p_val_No"
[1] 0.0119226
[1] "p_val_Yes"
[1] 0.0119226
```