

# Descriptive Stats

```
xls_path <- '../..data/ESSG Extraction_DEC_OP_ NON DePuy v7.xlsx'
```

## 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`)]

# clinical_data %<>%
#   .[Site != 'ANK Op'] %>%
#   .[`Vital status` == 'Alive'] %>%
#   .[!(`Code of the patient` %in% discarded_patients)] %>%
#   .[`st1. Date of Stage` %>% as.Date() < as.Date('2015-3-15')]

total <- clinical_data[, `Code of the patient` %>% uniqueN]
patients_2y <- clinical_data[followup_2y==TRUE, `Code of the patient` %>% uniqueN]
patients_5y <- clinical_data[followup_5y==TRUE, `Code of the patient` %>% uniqueN]
```

- Number of Patients: 708
- Number of patients with visit in 2 years: 465
- Number of patients with visit in 5 years: 220

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

Total Patients for the analysis: 708

## Demographics

Age

```
[1] "mean"
[1] 57.83637
[1] "sd"
[1] 20.09462
```

```

Gender
[1] "table"
variable
Female   Male
   548   160
[1] "proportion"
variable
      Female      Male
0.7740113 0.2259887

```

```

Prior Spine Surgery
[1] "table"
variable
No Yes
454 254
[1] "proportion"
variable
      No      Yes
0.6412429 0.3587571

```

```

Height (cm)_First Visit
[1] "mean"
[1] 162.7347
[1] "sd"
[1] 10.34357

```

```

Weight (kgs)_First Visit
[1] "mean"
[1] 66.5313
[1] "sd"
[1] 14.00669

```

```

BMI_First Visit
[1] "mean"
[1] 25.1407
[1] "sd"
[1] 4.906453

```

```

ASA classification
[1] "table"
variable
  1  2  3
238 373 94
[1] "proportion"
variable
      1      2      3
0.3375887 0.5290780 0.1333333

```

Tobacco use\_First Visit

[1] "table"

variable

|                               |                                     |
|-------------------------------|-------------------------------------|
| Current User:                 | Current User: 1 pack per day        |
| 2                             | 36                                  |
| Current User: 2 packs per day | Current User: Less than 1pk per day |
| 4                             | 78                                  |
| Current User: N,A,            | Ex-User: 0-6 months                 |
| 1                             | 19                                  |
| Ex-User: 1 year or greater    | Ex-User: 2 yrs or greater           |
| 2                             | 89                                  |
| Ex-User: 6-12 months          | Non-User                            |
| 3                             | 442                                 |

[1] "proportion"

variable

|                               |                                     |
|-------------------------------|-------------------------------------|
| Current User:                 | Current User: 1 pack per day        |
| 0.00295858                    | 0.05325444                          |
| Current User: 2 packs per day | Current User: Less than 1pk per day |
| 0.00591716                    | 0.11538462                          |
| Current User: N,A,            | Ex-User: 0-6 months                 |
| 0.00147929                    | 0.02810651                          |
| Ex-User: 1 year or greater    | Ex-User: 2 yrs or greater           |
| 0.00295858                    | 0.13165680                          |
| Ex-User: 6-12 months          | Non-User                            |
| 0.00443787                    | 0.65384615                          |

ESSG Diagnosis

[1] "table"

variable

|                                       |   |
|---------------------------------------|---|
| Congenital                            | Degenerative                            |
| 16                                    | 269                                     |
| Degenerative, Failed-back             | Failed-back                             |
| 1                                     | 41                                      |
| Idiopathic                            | Idiopathic, Congenital                  |
| 298                                   | 1                                       |
| Idiopathic, Degenerative              | Neuromuscular                           |
| 3                                     | 5                                       |
| Other:                                | Other: Isthmic Spondilolisthesis        |
| 2                                     | 1                                       |
| Other: degenerative spondilolisthesis | Other: multiple Myelom, Multiple Myelom |
| 2                                     | 1                                       |
| Other: Myelon compression at level C3 | Other: Neglected Scoliosis              |
| 1                                     | 1                                       |
| Other: spondylolisthesis              | Post-infection                          |
| 2                                     | 2                                       |
| Post-traumatic                        | Scheuermann                             |
| 21                                    | 29                                      |
| Scheuermann, Failed-back              | Syndromic                               |
| 1                                     | 6                                       |

[1] "proportion"

variable

|            |              |
|------------|--------------|
| Congenital | Degenerative |
|------------|--------------|

|                                       |   |                        |
|---------------------------------------|---|------------------------|
|                                       | 0.022759602                             | 0.382645804            |
| Degenerative, Failed-back             |   | Failed-back            |
|                                       | 0.001422475                             | 0.058321479            |
| Idiopathic                            |   | Idiopathic, Congenital |
|                                       | 0.423897582                             | 0.001422475            |
| Idiopathic, Degenerative              |   | Neuromuscular          |
|                                       | 0.004267425                             | 0.007112376            |
| Other:                                | Other: Isthmic Spondilolisthesis        |                        |
|                                       | 0.002844950                             | 0.001422475            |
| Other: degenerative spondilolisthesis | Other: multiple Myelom, Multiple Myelom |                        |
|                                       | 0.002844950                             | 0.001422475            |
| Other: Myelon compression at level C3 | Other: Neglected Scoliosis              |                        |
|                                       | 0.001422475                             | 0.001422475            |
| Other: spondylolisthesis              | Post-infection                          |                        |
|                                       | 0.002844950                             | 0.002844950            |
| Post-traumatic                        | Scheuermann                             |                        |
|                                       | 0.029871977                             | 0.041251778            |
| Scheuermann, Failed-back              | Syndromic                               |                        |
|                                       | 0.001422475                             | 0.008534851            |

#### Surgical Approach

```
[1] "table"
< table of extent 0 >
[1] "proportion"
numeric(0)
```

#### Radiology

##### Static Major curve Cobb angle

```
[1] "mean"
[1] 44.36239
[1] "sd"
[1] 24.19432
```

##### 6W. Static Major curve Cobb angle

```
[1] "mean"
[1] 21.68337
[1] "sd"
[1] 16.28217
```

##### 2Y. Static Major curve Cobb angle

```
[1] "mean"
[1] 22.70755
[1] "sd"
[1] 16.91486
```

##### 5Y. Static Major curve Cobb angle

```
[1] "mean"
[1] 24.075
```

```
[1] "sd"  
[1] 16.95097
```

Static Major curve Cobb angle tests  
preop vs 6w p-value  
1.092786e-71  
6w vs 2y p-value  
0.4011656

6w vs 5y p-value  
0.1693949  
2y vs 5y p-value  
0.4615922

Coronal Balance (C7PL to CSVL)  
[1] "mean"  
[1] -2.110114  
[1] "sd"  
[1] 32.77221

6W. Coronal Balance (C7PL to CSVL)  
[1] "mean"  
[1] -2.839075  
[1] "sd"  
[1] 22.80934

2Y. Coronal Balance (C7PL to CSVL)  
[1] "mean"  
[1] 0.2077448  
[1] "sd"  
[1] 22.76688

5Y. Coronal Balance (C7PL to CSVL)  
[1] "mean"  
[1] 1.391628  
[1] "sd"  
[1] 25.80559

Coronal Balance (C7PL to CSVL) tests  
preop vs 6w p-value  
0.6560712  
6w vs 2y p-value  
0.05264514

6w vs 5y p-value  
0.08816196  
2y vs 5y p-value  
0.6478859

Sagittal Balance

```
[1] "mean"  
[1] 45.935  
[1] "sd"  
[1] 65.20117
```

6W. Sagittal Balance

```
[1] "mean"  
[1] 22.15484  
[1] "sd"  
[1] 43.65378
```

2Y. Sagittal Balance

```
[1] "mean"  
[1] 26.85552  
[1] "sd"  
[1] 50.43987
```

5Y. Sagittal Balance

```
[1] "mean"  
[1] 32.19  
[1] "sd"  
[1] 55.15074
```

Sagittal Balance tests

preop vs 6w p-value

3.100924e-13

6w vs 2y p-value

0.1569179

6w vs 5y p-value

0.05527567

2y vs 5y p-value

0.340081

Sagittal T2-T5

```
[1] "mean"  
[1] 12.48101  
[1] "sd"  
[1] 9.404714
```

6W. Sagittal T2-T5

```
[1] "mean"  
[1] 15.10976  
[1] "sd"  
[1] 9.258677
```

2Y. Sagittal T2-T5

```
[1] "mean"
[1] 15.60218
[1] "sd"
[1] 10.17398
```

```
5Y. Sagittal T2-T5
[1] "mean"
[1] 16.38511
[1] "sd"
[1] 11.74653
```

```
Sagittal T2-T5 tests
preop vs 6w p-value
7.773417e-07
6w vs 2y p-value
0.4559
```

```
6w vs 5y p-value
0.2397029
2y vs 5y p-value
0.4948822
```

```
Sagittal T5-T12
[1] "mean"
[1] 33.2383
[1] "sd"
[1] 19.47755
```

```
6W. Sagittal T5-T12
[1] "mean"
[1] 34.41262
[1] "sd"
[1] 14.99174
```

```
2Y. Sagittal T5-T12
[1] "mean"
[1] 37.59075
[1] "sd"
[1] 15.21634
```

```
5Y. Sagittal T5-T12
[1] "mean"
[1] 39.84338
[1] "sd"
[1] 14.91906
```

```
Sagittal T5-T12 tests
preop vs 6w p-value
```

0.228282  
6w vs 2y p-value  
0.001770316

6w vs 5y p-value  
0.0001762867  
2y vs 5y p-value  
0.1369934

Sagittal T2-T12  
[1] "mean"  
[1] 39.56366  
[1] "sd"  
[1] 20.66489

6W. Sagittal T2-T12  
[1] "mean"  
[1] 44.52691  
[1] "sd"  
[1] 16.56919

2Y. Sagittal T2-T12  
[1] "mean"  
[1] 47.552  
[1] "sd"  
[1] 16.86643

5Y. Sagittal T2-T12  
[1] "mean"  
[1] 49.61044  
[1] "sd"  
[1] 17.10857

Sagittal T2-T12 tests  
preop vs 6w p-value  
2.590403e-06  
6w vs 2y p-value  
0.00711364

6w vs 5y p-value  
0.0020019  
2y vs 5y p-value  
0.2325871

Lordosis (top of L1-S1)  
[1] "mean"  
[1] -44.80025  
[1] "sd"  
[1] 21.42113



```
6W. Lordosis (top of L1-S1)
[1] "mean"
[1] -51.95593
[1] "sd"
[1] 13.40999
```

```
2Y. Lordosis (top of L1-S1)
[1] "mean"
[1] -52.63956
[1] "sd"
[1] 13.90211
```

```
5Y. Lordosis (top of L1-S1)
[1] "mean"
[1] -51.12699
[1] "sd"
[1] 13.94456
```

```
Lordosis (top of L1-S1) tests
preop vs 6w p-value
7.393014e-13
6w vs 2y p-value
0.4527729
```

```
6w vs 5y p-value
0.5289217
2y vs 5y p-value
0.2811279
```

```
Pelvic Incidence
[1] "mean"
[1] 55.43425
[1] "sd"
[1] 13.61167
```

```
6W. Pelvic Incidence
[1] "mean"
[1] 54.78519
[1] "sd"
[1] 13.17158
```

```
2Y. Pelvic Incidence
[1] "mean"
[1] 55.11408
[1] "sd"
[1] 13.18623
```

5Y. Pelvic Incidence  
[1] "mean"  
[1] 54.99971  
[1] "sd"  
[1] 12.75214

Pelvic Incidence tests  
preop vs 6w p-value  
0.3866803  
6w vs 2y p-value  
0.7068319

6w vs 5y p-value  
0.8603682  
2y vs 5y p-value  
0.9295886

Pelvic Tilt  
[1] "mean"  
[1] 22.13464  
[1] "sd"  
[1] 12.32511

6W. Pelvic Tilt  
[1] "mean"  
[1] 19.38943  
[1] "sd"  
[1] 10.15526

2Y. Pelvic Tilt  
[1] "mean"  
[1] 19.9634  
[1] "sd"  
[1] 10.529

5Y. Pelvic Tilt  
[1] "mean"  
[1] 21.15772  
[1] "sd"  
[1] 10.70222

Pelvic Tilt tests  
preop vs 6w p-value  
1.401475e-05  
6w vs 2y p-value  
0.4053867

6w vs 5y p-value  
0.08062957

2y vs 5y p-value  
0.2656751

Sacral Slope  
[1] "mean"  
[1] 33.29675  
[1] "sd"  
[1] 12.17869

6W. Sacral Slope  
[1] "mean"  
[1] 35.43952  
[1] "sd"  
[1] 10.17779

2Y. Sacral Slope  
[1] "mean"  
[1] 35.15649  
[1] "sd"  
[1] 10.51373

5Y. Sacral Slope  
[1] "mean"  
[1] 33.84206  
[1] "sd"  
[1] 10.04241

Sacral Slope tests  
preop vs 6w p-value  
0.000629346  
6w vs 2y p-value  
0.6812337

6w vs 5y p-value  
0.09611061  
2y vs 5y p-value  
0.1995537

RLL  
[1] "mean"  
[1] -18.56555  
[1] "sd"  
[1] 21.68261

6W. RLL  
[1] "mean"  
[1] -10.95968  
[1] "sd"  
[1] 12.98841

```
2Y. RLL
[1] "mean"
[1] -10.5025
[1] "sd"
[1] 13.60781
```

```
5Y. RLL
[1] "mean"
[1] -7.607574
[1] "sd"
[1] 8.342136
```

```
RLL tests
preop vs 6w p-value
2.93182e-14
6w vs 2y p-value
0.6067994
```

```
6w vs 5y p-value
0.0001978339
2y vs 5y p-value
0.004383124
```

```
Global Tilt
[1] "mean"
[1] 26.79206
[1] "sd"
[1] 18.90093
```

```
6W. Global Tilt
[1] "mean"
[1] 20.38339
[1] "sd"
[1] 13.12953
```

```
2Y. Global Tilt
[1] "mean"
[1] 21.74148
[1] "sd"
[1] 14.82648
```

```
5Y. Global Tilt
[1] "mean"
[1] 24.06
[1] "sd"
[1] 16.42172
```

Global Tilt tests  
preop vs 6w p-value  
2.624234e-12  
6w vs 2y p-value  
0.1511566

6w vs 5y p-value  
0.01571372  
2y vs 5y p-value  
0.150839

T1 Sagittal Tilt  
[1] "mean"  
[1] -1.523356  
[1] "sd"  
[1] 6.274839

6W. T1 Sagittal Tilt  
[1] "mean"  
[1] -3.639741  
[1] "sd"  
[1] 4.43544

2Y. T1 Sagittal Tilt  
[1] "mean"  
[1] -3.516788  
[1] "sd"  
[1] 4.550348

5Y. T1 Sagittal Tilt  
[1] "mean"  
[1] -3.147464  
[1] "sd"  
[1] 6.883943

T1 Sagittal Tilt tests  
preop vs 6w p-value  
5.213976e-12  
6w vs 2y p-value  
0.683202

6w vs 5y p-value  
0.4267918  
2y vs 5y p-value  
0.5627957

Thoracolumbar L2-T10  
[1] "mean"  
[1] 8.748074

```
[1] "sd"
[1] 22.1559
```

```
6W. Thoracolumbar L2-T10
[1] "mean"
[1] 4.339323
[1] "sd"
[1] 14.33571
```

```
2Y. Thoracolumbar L2-T10
[1] "mean"
[1] 5.835331
[1] "sd"
[1] 14.02551
```

```
5Y. Thoracolumbar L2-T10
[1] "mean"
[1] 5.703088
[1] "sd"
[1] 13.78643
```

```
Thoracolumbar L2-T10 tests
preop vs 6w p-value
2.285509e-05
6w vs 2y p-value
0.1134319
```

```
6w vs 5y p-value
0.3031312
2y vs 5y p-value
0.924454
```

```
RSA
[1] "mean"
[1] 15.1592
[1] "sd"
[1] 16.61581
```

```
6W. RSA
[1] "mean"
[1] 9.116544
[1] "sd"
[1] 10.36852
```

```
2Y. RSA
[1] "mean"
[1] 10.28005
[1] "sd"
```

```
[1] 12.0403
```

```
5Y. RSA
```

```
[1] "mean"
```

```
[1] -11.97301
```

```
[1] "sd"
```

```
[1] 14.38308
```

```
RSA tests
```

```
preop vs 6w p-value
```

```
9.212544e-15
```

```
6w vs 2y p-value
```

```
0.1265919
```

```
6w vs 5y p-value
```

```
4.297158e-36
```

```
2y vs 5y p-value
```

```
2.224206e-38
```

```
RPV
```

```
[1] "mean"
```

```
[1] -8.40966
```

```
[1] "sd"
```

```
[1] 10.27753
```

```
6W. RPV
```

```
[1] "mean"
```

```
[1] -5.869851
```

```
[1] "sd"
```

```
[1] 7.861553
```

```
2Y. RPV
```

```
[1] "mean"
```

```
[1] -6.360767
```

```
[1] "sd"
```

```
[1] 8.293014
```

```
5Y. RPV
```

```
[1] "mean"
```

```
[1] 63.10044
```

```
[1] "sd"
```

```
[1] 7.906534
```

```
RPV tests
```

```
preop vs 6w p-value
```

```
6.787049e-07
```

```
6w vs 2y p-value
```

```
0.3630298
```

6w vs 5y p-value  
1.929115e-165  
2y vs 5y p-value  
1.899718e-189

## Quality of Life

ODI - Score (%)\_First Visit  
[1] "mean"  
[1] 39.52065  
[1] "sd"  
[1] 21.38889

6M. ODI - Score (%)  
[1] "mean"  
[1] 28.10747  
[1] "sd"  
[1] 18.75586

2Y. ODI - Score (%)  
[1] "mean"  
[1] 26.99296  
[1] "sd"  
[1] 20.38344

5Y. ODI - Score (%)  
[1] "mean"  
[1] 28.65534  
[1] "sd"  
[1] 22.55946

ODI - Score (%)\_First Visit tests  
preop vs 6m p-value  
1.758125e-22  
6m vs 2y p-value  
0.3808894

6m vs 5y p-value  
0.7563053  
2y vs 5y p-value  
0.3710816

SRS22 - Function / Activity\_First Visit  
[1] "mean"  
[1] 3.150868  
[1] "sd"  
[1] 0.9756378



6M. SRS22 - Function / Activity

```
[1] "mean"  
[1] 3.327644  
[1] "sd"  
[1] 0.8230335
```

2Y. SRS22 - Function / Activity

```
[1] "mean"  
[1] 3.580117  
[1] "sd"  
[1] 0.940621
```

5Y. SRS22 - Function / Activity

```
[1] "mean"  
[1] 3.516459  
[1] "sd"  
[1] 1.023764
```

SRS22 - Function / Activity\_First Visit tests

preop vs 6m p-value

0.0005693102

6m vs 2y p-value

1.194561e-05

6m vs 5y p-value

0.01736347

2y vs 5y p-value

0.4498537

SRS22 - Pain\_First Visit

```
[1] "mean"  
[1] 2.670029  
[1] "sd"  
[1] 1.033856
```

6M. SRS22 - Pain

```
[1] "mean"  
[1] 3.357968  
[1] "sd"  
[1] 0.949744
```

2Y. SRS22 - Pain

```
[1] "mean"  
[1] 3.489089  
[1] "sd"  
[1] 1.075927
```

5Y. SRS22 - Pain

```
[1] "mean"  
[1] 3.367129  
[1] "sd"  
[1] 1.13021
```

SRS22 - Pain\_First Visit tests

```
preop vs 6m p-value  
3.003178e-32  
6m vs 2y p-value  
0.04654335
```

6m vs 5y p-value

```
0.917095
```

2y vs 5y p-value

```
0.1947452
```

SRS22 - Self image / Appearance\_First Visit

```
[1] "mean"  
[1] 2.367044  
[1] "sd"  
[1] 0.8094368
```

6M. SRS22 - Self image / Appearance

```
[1] "mean"  
[1] 3.480612  
[1] "sd"  
[1] 0.8259991
```

2Y. SRS22 - Self image / Appearance

```
[1] "mean"  
[1] 3.533341  
[1] "sd"  
[1] 0.8819662
```

5Y. SRS22 - Self image / Appearance

```
[1] "mean"  
[1] 3.378708  
[1] "sd"  
[1] 0.9939668
```

SRS22 - Self image / Appearance\_First Visit tests

```
preop vs 6m p-value  
1.831628e-102  
6m vs 2y p-value  
0.3395162
```

6m vs 5y p-value

```
0.1875689
```

2y vs 5y p-value  
0.05671587

SRS22 - Mental health\_First Visit  
[1] "mean"  
[1] 3.125662  
[1] "sd"  
[1] 0.8938093

6M. SRS22 - Mental health  
[1] "mean"  
[1] 3.494424  
[1] "sd"  
[1] 0.7983911

2Y. SRS22 - Mental health  
[1] "mean"  
[1] 3.513598  
[1] "sd"  
[1] 0.8577478

5Y. SRS22 - Mental health  
[1] "mean"  
[1] 3.479187  
[1] "sd"  
[1] 0.947154

SRS22 - Mental health\_First Visit tests  
preop vs 6m p-value  
3.936258e-14  
6m vs 2y p-value  
0.7202896

6m vs 5y p-value  
0.836436  
2y vs 5y p-value  
0.6574181

SRS22 - SRS Subtotal score\_First Visit  
[1] "mean"  
[1] 2.829779  
[1] "sd"  
[1] 0.7580786

6M. SRS22 - SRS Subtotal score  
[1] "mean"  
[1] 3.417374  
[1] "sd"  
[1] 0.7008023

2Y. SRS22 - SRS Subtotal score

```
[1] "mean"  
[1] 3.530561  
[1] "sd"  
[1] 0.7990188
```

5Y. SRS22 - SRS Subtotal score

```
[1] "mean"  
[1] 3.435789  
[1] "sd"  
[1] 0.9051214
```

SRS22 - SRS Subtotal score\_First Visit tests

preop vs 6m p-value

4.188615e-42

6m vs 2y p-value

0.02043788

6m vs 5y p-value

0.7906367

2y vs 5y p-value

0.1984447

SRS22 - Satisfaction with management\_First Visit

```
[1] "mean"  
[1] 2.929012  
[1] "sd"  
[1] 1.102863
```

6M. SRS22 - Satisfaction with management

```
[1] "mean"  
[1] 4.142987  
[1] "sd"  
[1] 0.8786036
```

2Y. SRS22 - Satisfaction with management

```
[1] "mean"  
[1] 4.138955  
[1] "sd"  
[1] 0.9400116
```

5Y. SRS22 - Satisfaction with management

```
[1] "mean"  
[1] 3.932039  
[1] "sd"  
[1] 1.085489
```

```
SRS22 - Satisfaction with management_First Visit tests
preop vs 6m p-value
3.880051e-52
6m vs 2y p-value
0.9457125
```

```
6m vs 5y p-value
0.01297185
2y vs 5y p-value
0.01982725
```

```
SF36 - PCS_First Visit
[1] "mean"
[1] 37.05776
[1] "sd"
[1] 9.877397
```

```
6M. SF36 - PCS
[1] "mean"
[1] 40.97673
[1] "sd"
[1] 9.392435
```

```
2Y. SF36 - PCS
[1] "mean"
[1] 42.68176
[1] "sd"
[1] 10.55637
```

```
5Y. SF36 - PCS
[1] "mean"
[1] 42.22908
[1] "sd"
[1] 11.2609
```

```
SF36 - PCS_First Visit tests
preop vs 6m p-value
2.858838e-11
6m vs 2y p-value
0.01161274
```

```
6m vs 5y p-value
0.2014414
2y vs 5y p-value
0.6596704
```

```
SF36 - MCS_First Visit
[1] "mean"
[1] 42.24614
```

```
[1] "sd"  
[1] 12.13481
```

```
6M. SF36 - MCS  
[1] "mean"  
[1] 46.56333  
[1] "sd"  
[1] 10.91647
```

```
2Y. SF36 - MCS  
[1] "mean"  
[1] 46.80261  
[1] "sd"  
[1] 11.2541
```

```
5Y. SF36 - MCS  
[1] "mean"  
[1] 47.10227  
[1] "sd"  
[1] 11.97692
```

```
SF36 - MCS_First Visit tests  
preop vs 6m p-value  
7.878174e-10  
6m vs 2y p-value  
0.7480471
```

```
6m vs 5y p-value  
0.6110606  
2y vs 5y p-value  
0.7841269
```

## **Surgery**

```
Total Operative Blood Loss st1+st2+st3  
[1] "mean"  
[1] 1085.569  
[1] "sd"  
[1] 986.0179
```

```
Total surgical time  
[1] "mean"  
[1] 310.4316  
[1] "sd"  
[1] 192.3016
```

```
Number of Posterior Instrumented Levels
```

```
[1] "mean"
[1] 9.826025
[1] "sd"
[1] 4.183402
```

```
Pelvic fixation
[1] "table"
variable
Yes
708
[1] "proportion"
variable
Yes
1
```

```
Surgical Approach
[1] "table"
< table of extent 0 >
[1] "proportion"
numeric(0)
```

```
Number of Interbody Fusions
[1] "mean"
[1] 1.614094
[1] "sd"
[1] 0.8094992
```

```
Decompression
[1] "table"
variable
No Yes
526 182
[1] "proportion"
variable
No Yes
0.7429379 0.2570621
```

```
Interbody Fusion
[1] "table"
variable
No Yes
410 298
[1] "proportion"
variable
No Yes
0.579096 0.420904
```

```
Osteotomy
```

```

[1] "table"
variable
  No Yes
388 320
[1] "proportion"
variable
      No      Yes
0.5480226 0.4519774

```

```

3C0
[1] "table"
variable
FALSE TRUE
  393  312
[1] "proportion"
variable
      FALSE      TRUE
0.5574468 0.4425532

```

```

uiv_t10_12_l1
[1] "table"
variable
  No Yes
671  37
[1] "proportion"
variable
      No      Yes
0.94774011 0.05225989

```