

## 5y quality life analysis

### Filters

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

data_set %<>%
  .[, 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') ]

data_set %<>%
  .[followup_2y==TRUE] %>%
  .[Site != 'ANK Op'] %>%
  .[Study=='Op'] %>%
  .['Vital status' == 'Alive'] %>%
  .[!('Code of the patient' %in% discarded_patients)] %>%
  .['st1. Date of Stage 1' %>% as.Date() < as.Date('2015-3-15')]
```

## PhantomJS not found. You can install it with `webshot::install_phantomjs()`. If it is installed, please

demographic:

- Age
- Gender
- Prior Spine Surgery
- ASA classification
- BMI\_First Visit
- Site

radiologic:

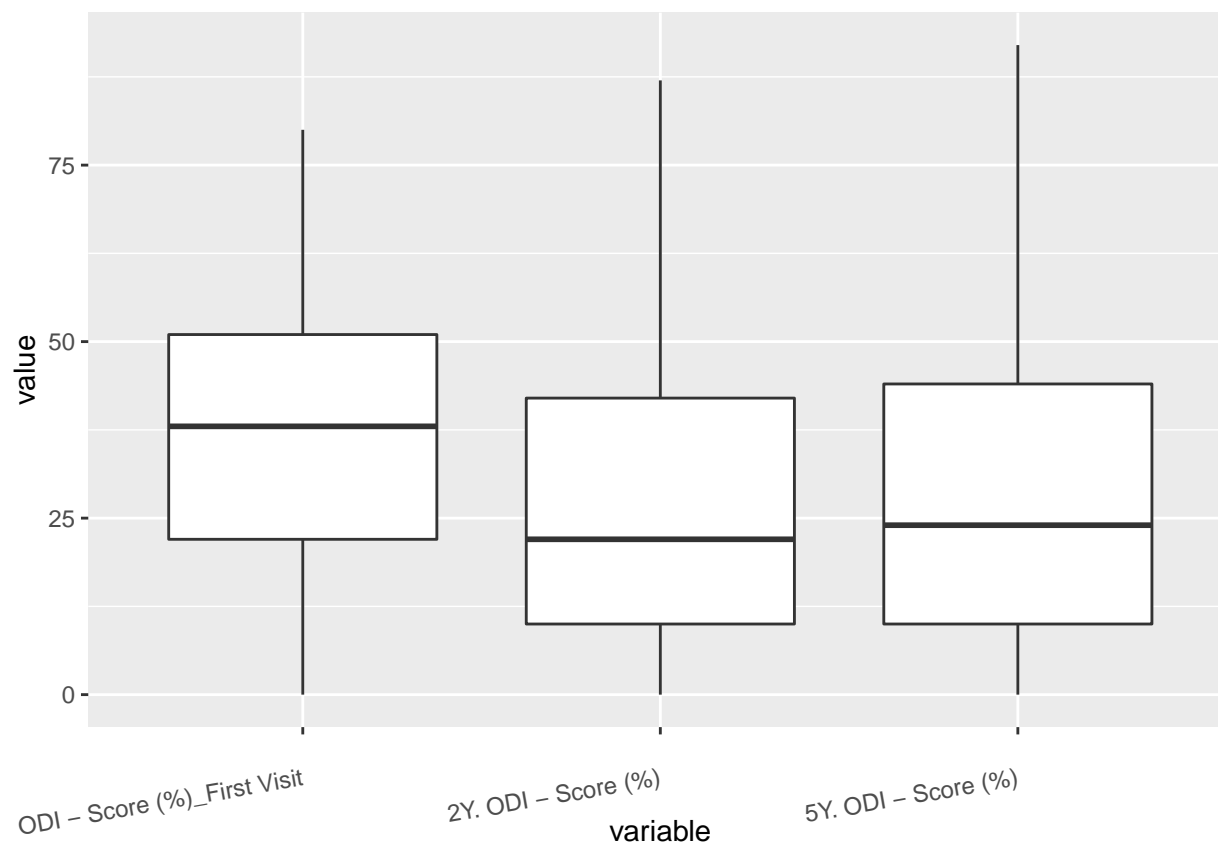
- LGap
- Global Tilt
- Major curve Cobb angle

qualitylife:

- 2Y. ODI - Score (%)
- 2Y. SRS22 - SRS Subtotal score
- 2Y. SF36 - MCS
- 2Y. SF36 - PCS

### Scores

5Y. ODI - Score (%)



ODI - Score (%)\_First Visit

### Basic stats

	type	ODI - Score (%)_First Visit	2Y. ODI - Score (%)	5Y. ODI - Score (%)
1: Mean		37.15615	27.38961	28.19397
2: Sd		19.64125	21.35120	21.56138

### t-test mean comparison p-values

	type	V2
1: base vs 5	0.0000	
2: 2 vs 5	0.6667	
3: base vs 2	0.0000	

### 5 Years Gain Gain (odi neg / others pos) Factors

#### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	-1.000	7.681	-0.130	0.897
Age	-0.176	0.085	-2.072	0.039
GenderMale	-2.201	2.976	-0.740	0.460
'Prior Spine Surgery'Yes	1.898	2.732	0.695	0.488

'ASA classification'	0.417	2.355	0.177	0.860
'BMI_First Visit'	0.048	0.295	0.163	0.871
SiteBOR Op	2.465	3.468	0.711	0.478
SiteIST Op	-9.062	4.682	-1.935	0.054
SiteMAD Op	0.877	3.958	0.222	0.825
SiteZUR Op	-3.406	3.888	-0.876	0.382

#### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	3.910	8.753	0.447	0.656
Age	-0.258	0.100	-2.588	0.010
GenderMale	-3.204	3.099	-1.034	0.302
'Prior Spine Surgery'Yes	0.972	2.851	0.341	0.734
'ASA classification'	-0.951	2.361	-0.403	0.688
'BMI_First Visit'	-0.098	0.292	-0.334	0.739
SiteBOR Op	2.667	3.591	0.743	0.458
SiteIST Op	-9.336	4.727	-1.975	0.050
SiteMAD Op	1.235	4.007	0.308	0.758
SiteZUR Op	-0.128	4.043	-0.032	0.975
LGap	-0.254	0.089	-2.858	0.005
'Global Tilt'	0.390	0.114	3.405	0.001
'Major curve Cobb angle'	0.006	0.064	0.093	0.926

#### HRQL

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	2.609	17.103	0.153	0.879
Age	-0.132	0.104	-1.275	0.204
GenderMale	-5.665	3.079	-1.840	0.067
'Prior Spine Surgery'Yes	2.294	2.722	0.843	0.400
'ASA classification'	1.485	2.392	0.621	0.536
'BMI_First Visit'	0.205	0.295	0.697	0.487
SiteBOR Op	3.050	3.543	0.861	0.390
SiteIST Op	-7.294	5.152	-1.416	0.159
SiteMAD Op	3.564	3.877	0.919	0.359
SiteZUR Op	-0.718	3.945	-0.182	0.856
LGap	-0.178	0.087	-2.050	0.042
'Global Tilt'	0.318	0.110	2.891	0.004
'Major curve Cobb angle'	-0.024	0.063	-0.377	0.707
'ODI - Score (%)_First Visit'	-0.399	0.129	-3.097	0.002
'SRS22 - SRS Subtotal score_First Visit'	-3.497	3.774	-0.927	0.355
'SF36 - MCS_First Visit'	0.031	0.145	0.216	0.829
'SF36 - PCS_First Visit'	0.195	0.216	0.904	0.367

#### Correction Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	3.541	18.511	0.191	0.849
Age	-0.187	0.117	-1.605	0.111
GenderMale	-6.544	3.408	-1.920	0.057
'Prior Spine Surgery'Yes	3.162	3.245	0.974	0.331

'ASA classification'	1.390	2.520	0.552	0.582
'BMI_First Visit'	0.246	0.321	0.767	0.444
SiteBOR Op	4.322	3.785	1.142	0.255
SiteIST Op	-5.711	6.002	-0.952	0.343
SiteMAD Op	6.056	4.445	1.362	0.175
SiteZUR Op	-0.808	4.503	-0.179	0.858
LGap	-0.290	0.136	-2.130	0.035
'Global Tilt'	0.543	0.161	3.376	0.001
'Major curve Cobb angle'	-0.129	0.090	-1.428	0.155
'ODI - Score (%)_First Visit'	-0.415	0.140	-2.955	0.004
'SRS22 - SRS Subtotal score_First Visit'	-5.543	4.194	-1.322	0.188
'SF36 - MCS_First Visit'	0.146	0.157	0.932	0.353
'SF36 - PCS_First Visit'	0.255	0.234	1.090	0.278
LGap_6w_inc	-0.118	0.170	-0.693	0.489
'Global Tilt_6w_inc'	0.357	0.209	1.710	0.089
'Major curve Cobb angle_6w_inc'	-0.100	0.140	-0.710	0.479

#### Complications

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	6.216	18.076	0.344	0.731
Age	-0.234	0.115	-2.035	0.044
GenderMale	-6.542	3.324	-1.968	0.051
'Prior Spine Surgery'Yes	3.142	3.165	0.993	0.322
'ASA classification'	1.593	2.458	0.648	0.518
'BMI_First Visit'	0.257	0.313	0.822	0.413
SiteBOR Op	4.692	3.694	1.270	0.206
SiteIST Op	-5.573	5.854	-0.952	0.343
SiteMAD Op	6.741	4.341	1.553	0.123
SiteZUR Op	0.362	4.410	0.082	0.935
LGap	-0.279	0.133	-2.098	0.038
'Global Tilt'	0.512	0.157	3.258	0.001
'Major curve Cobb angle'	-0.134	0.088	-1.529	0.128
'ODI - Score (%)_First Visit'	-0.458	0.138	-3.331	0.001
'SRS22 - SRS Subtotal score_First Visit'	-5.962	4.093	-1.457	0.147
'SF36 - MCS_First Visit'	0.158	0.153	1.032	0.304
'SF36 - PCS_First Visit'	0.238	0.229	1.040	0.300
LGap_6w_inc	-0.111	0.166	-0.671	0.503
'Global Tilt_6w_inc'	0.361	0.204	1.769	0.079
'Major curve Cobb angle_6w_inc'	-0.085	0.137	-0.622	0.535
had_major_complicationsYes	7.765	2.632	2.950	0.004

#### Reinterventions

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	5.150	18.081	0.285	0.776
Age	-0.223	0.115	-1.941	0.054
GenderMale	-6.344	3.328	-1.906	0.059
'Prior Spine Surgery'Yes	3.080	3.168	0.972	0.332
'ASA classification'	1.775	2.463	0.721	0.472
'BMI_First Visit'	0.179	0.314	0.571	0.569
SiteBOR Op	3.895	3.699	1.053	0.294
SiteIST Op	-5.680	5.860	-0.969	0.334

SiteMAD Op	5.620	4.342	1.294	0.198
SiteZUR Op	-1.161	4.398	-0.264	0.792
LGap	-0.249	0.134	-1.862	0.065
'Global Tilt'	0.499	0.158	3.165	0.002
'Major curve Cobb angle'	-0.121	0.088	-1.375	0.171
'ODI - Score (%)_First Visit'	-0.430	0.137	-3.139	0.002
'SRS22 - SRS Subtotal score_First Visit'	-5.289	4.096	-1.291	0.199
'SF36 - MCS_First Visit'	0.139	0.153	0.913	0.363
'SF36 - PCS_First Visit'	0.256	0.229	1.121	0.264
LGap_6w_inc	-0.113	0.166	-0.681	0.497
'Global Tilt_6w_inc'	0.384	0.204	1.882	0.062
'Major curve Cobb angle_6w_inc'	-0.075	0.137	-0.547	0.586
had_reinterventionsYes	8.012	2.771	2.891	0.004

## 5Y vs 2Y Effects

### Demographics

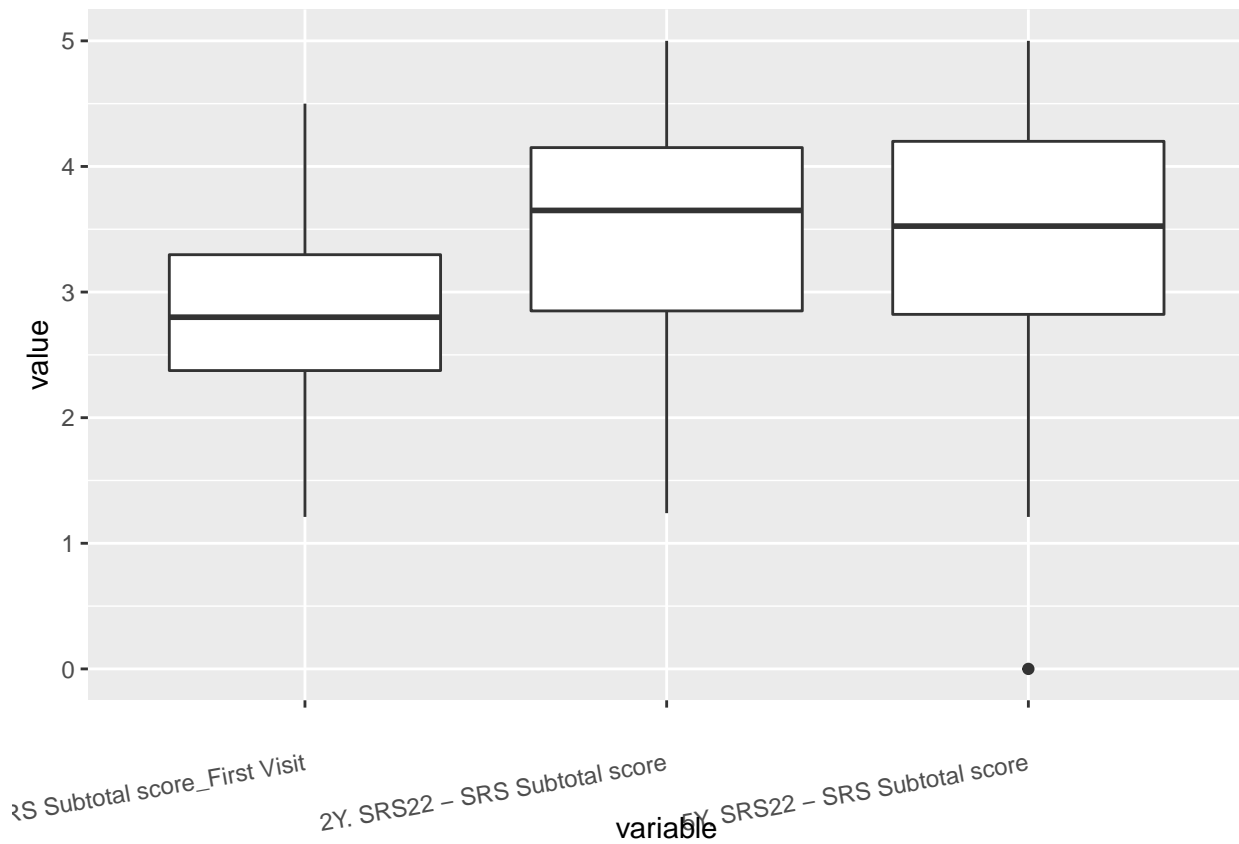
	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	-11.447	6.367	-1.798	0.073
Age	0.296	0.075	3.928	0.000
GenderMale	-7.228	2.559	-2.825	0.005
Prior_Spine_SurgeryYes	7.228	2.398	3.014	0.003
ASA_classification	7.200	2.086	3.451	0.001
BMI_First_Visit	0.506	0.249	2.029	0.043
SiteBOR Op	-3.779	3.011	-1.255	0.210
SiteIST Op	1.989	4.091	0.486	0.627
SiteMAD Op	0.677	3.405	0.199	0.843
SiteZUR Op	-13.393	3.455	-3.876	0.000
'5y_vs_2y_effect'	-3.365	9.815	-0.343	0.732
Age:'5y_vs_2y_effect'	-0.075	0.115	-0.647	0.518
GenderMale:'5y_vs_2y_effect'	-0.268	3.953	-0.068	0.946
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	-0.256	3.665	-0.070	0.944
ASA_classification:'5y_vs_2y_effect'	-1.361	3.185	-0.427	0.669
BMI_First_Visit:'5y_vs_2y_effect'	0.293	0.380	0.771	0.441
SiteBOR Op:'5y_vs_2y_effect'	7.849	4.625	1.697	0.090
SiteIST Op:'5y_vs_2y_effect'	-5.939	6.239	-0.952	0.342
SiteMAD Op:'5y_vs_2y_effect'	4.790	5.251	0.912	0.362
SiteZUR Op:'5y_vs_2y_effect'	5.580	5.204	1.072	0.284

### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	-5.860	6.245	-0.938	0.349
Age	0.198	0.068	2.899	0.004
GenderMale	-8.680	2.096	-4.141	0.000
Prior_Spine_SurgeryYes	5.204	1.929	2.697	0.007
ASA_classification	5.990	1.620	3.697	0.000
BMI_First_Visit	0.598	0.196	3.051	0.002
SiteBOR Op	-3.173	2.452	-1.294	0.196
SiteIST Op	-1.822	3.245	-0.561	0.575
SiteMAD Op	1.719	2.675	0.643	0.521
SiteZUR Op	-10.415	2.750	-3.787	0.000

LGap	-0.151	0.084	-1.808	0.071
Global_Tilt	0.245	0.099	2.469	0.014
Major_curve_Cobb_angle	-0.078	0.051	-1.539	0.124
'5y_vs_2y_effect'	-0.672	4.784	-0.140	0.888
LGap:'5y_vs_2y_effect'	0.044	0.123	0.355	0.723
Global_Tilt:'5y_vs_2y_effect'	0.001	0.139	0.005	0.996
Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.027	0.075	0.367	0.714

5Y. SRS22 - SRS Subtotal score



SRS22 - SRS Subtotal score\_First Visit

### Basic stats

	type	SRS22 - SRS Subtotal score_First Visit	2Y. SRS22 - SRS Subtotal score
1: Mean		2.8278477	3.464593
2: Sd		0.6994789	0.852671

	5Y. SRS22 - SRS Subtotal score
1:	3.4424576
2:	0.8863974

### t-test mean comparison p-values

	type	V2
1: base vs 5		0.00000

2: 2 vs 5 0.76945  
 3: base vs 2 0.00000

## 5 Years Gain Gain (odi neg / others pos) Factors

### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	0.912	0.309	2.948	0.004
Age	0.000	0.004	0.034	0.973
GenderMale	0.048	0.124	0.391	0.696
'Prior Spine Surgery'Yes	-0.020	0.114	-0.179	0.858
'ASA classification'	-0.095	0.099	-0.962	0.337
'BMI_First Visit'	-0.006	0.012	-0.521	0.603
SiteBOR Op	0.145	0.144	1.012	0.313
SiteIST Op	0.116	0.200	0.581	0.562
SiteMAD Op	-0.142	0.164	-0.868	0.386
SiteZUR Op	-0.098	0.160	-0.615	0.539

### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	0.700	0.375	1.866	0.063
Age	0.005	0.004	1.110	0.268
GenderMale	0.096	0.134	0.713	0.477
'Prior Spine Surgery'Yes	0.018	0.123	0.147	0.883
'ASA classification'	-0.050	0.102	-0.492	0.623
'BMI_First Visit'	-0.001	0.012	-0.115	0.908
SiteBOR Op	0.167	0.156	1.073	0.285
SiteIST Op	0.145	0.208	0.695	0.488
SiteMAD Op	-0.153	0.171	-0.895	0.372
SiteZUR Op	-0.213	0.172	-1.238	0.217
LGap	0.003	0.004	0.766	0.444
'Global Tilt'	-0.011	0.005	-2.158	0.032
'Major curve Cobb angle'	-0.001	0.003	-0.348	0.728

### HRQL

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	3.828	0.742	5.159	0.000
Age	0.005	0.005	1.200	0.232
GenderMale	0.209	0.135	1.550	0.123
'Prior Spine Surgery'Yes	-0.006	0.119	-0.051	0.960
'ASA classification'	-0.093	0.105	-0.890	0.375
'BMI_First Visit'	-0.018	0.013	-1.419	0.158
SiteBOR Op	0.084	0.155	0.539	0.590
SiteIST Op	0.354	0.225	1.572	0.118
SiteMAD Op	-0.147	0.168	-0.874	0.383
SiteZUR Op	-0.102	0.173	-0.587	0.558
LGap	0.004	0.004	1.090	0.277
'Global Tilt'	-0.012	0.005	-2.552	0.012
'Major curve Cobb angle'	-0.001	0.003	-0.197	0.844

'ODI - Score (%)_First Visit'	-0.014	0.006	-2.563	0.011
'SRS22 - SRS Subtotal score_First Visit'	-0.665	0.163	-4.090	0.000
'SF36 - MCS_First Visit'	0.002	0.006	0.355	0.723
'SF36 - PCS_First Visit'	-0.010	0.009	-1.092	0.276

#### Correction Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.302	0.791	5.440	0.000
Age	0.007	0.005	1.323	0.188
GenderMale	0.265	0.147	1.802	0.073
'Prior Spine Surgery'Yes	-0.054	0.139	-0.387	0.699
'ASA classification'	-0.092	0.109	-0.843	0.400
'BMI_First Visit'	-0.020	0.014	-1.423	0.157
SiteBOR Op	0.050	0.163	0.305	0.761
SiteIST Op	0.417	0.257	1.620	0.107
SiteMAD Op	-0.280	0.188	-1.485	0.140
SiteZUR Op	-0.039	0.194	-0.201	0.841
LGap	0.011	0.006	1.831	0.069
'Global Tilt'	-0.021	0.007	-3.063	0.003
'Major curve Cobb angle'	0.002	0.004	0.542	0.589
'ODI - Score (%)_First Visit'	-0.017	0.006	-2.872	0.005
'SRS22 - SRS Subtotal score_First Visit'	-0.692	0.178	-3.884	0.000
'SF36 - MCS_First Visit'	-0.002	0.007	-0.329	0.743
'SF36 - PCS_First Visit'	-0.015	0.010	-1.476	0.142
LGap_6w_inc	0.011	0.007	1.544	0.125
'Global Tilt_6w_inc'	-0.019	0.009	-2.115	0.036
'Major curve Cobb angle_6w_inc'	0.000	0.006	0.007	0.995

#### Complications

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.205	0.778	5.405	0.000
Age	0.008	0.005	1.668	0.097
GenderMale	0.264	0.144	1.831	0.069
'Prior Spine Surgery'Yes	-0.054	0.137	-0.398	0.691
'ASA classification'	-0.102	0.107	-0.952	0.342
'BMI_First Visit'	-0.020	0.014	-1.447	0.150
SiteBOR Op	0.030	0.160	0.187	0.852
SiteIST Op	0.404	0.253	1.600	0.112
SiteMAD Op	-0.313	0.185	-1.688	0.094
SiteZUR Op	-0.084	0.191	-0.441	0.660
LGap	0.010	0.006	1.771	0.079
'Global Tilt'	-0.020	0.007	-2.951	0.004
'Major curve Cobb angle'	0.002	0.004	0.599	0.550
'ODI - Score (%)_First Visit'	-0.016	0.006	-2.637	0.009
'SRS22 - SRS Subtotal score_First Visit'	-0.680	0.175	-3.888	0.000
'SF36 - MCS_First Visit'	-0.002	0.007	-0.370	0.712
'SF36 - PCS_First Visit'	-0.014	0.010	-1.422	0.157
LGap_6w_inc	0.011	0.007	1.548	0.124
'Global Tilt_6w_inc'	-0.019	0.009	-2.176	0.031
'Major curve Cobb angle_6w_inc'	-0.001	0.006	-0.137	0.891
had_major_complicationsYes	-0.288	0.113	-2.540	0.012



## Reinterventions

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.246	0.779	5.447	0.000
Age	0.008	0.005	1.573	0.118
GenderMale	0.257	0.145	1.773	0.078
'Prior Spine Surgery'Yes	-0.051	0.137	-0.374	0.709
'ASA_classification'	-0.107	0.107	-1.003	0.317
'BMI_First_Visit'	-0.017	0.014	-1.240	0.217
SiteBOR Op	0.059	0.160	0.369	0.713
SiteIST Op	0.407	0.253	1.608	0.110
SiteMAD Op	-0.272	0.185	-1.468	0.144
SiteZUR Op	-0.029	0.191	-0.153	0.879
LGap	0.009	0.006	1.586	0.115
'Global Tilt'	-0.020	0.007	-2.881	0.005
'Major curve Cobb angle'	0.002	0.004	0.476	0.635
'ODI - Score (%)_First_Visit'	-0.017	0.006	-2.822	0.005
'SRS22 - SRS Subtotal score_First_Visit'	-0.706	0.175	-4.024	0.000
'SF36 - MCS_First_Visit'	-0.002	0.007	-0.264	0.792
'SF36 - PCS_First_Visit'	-0.014	0.010	-1.478	0.141
LGap_6w_inc	0.011	0.007	1.560	0.121
'Global Tilt_6w_inc'	-0.020	0.009	-2.267	0.025
'Major curve Cobb angle_6w_inc'	-0.001	0.006	-0.190	0.850
had_reinterventionsYes	-0.285	0.119	-2.388	0.018

## 5Y vs 2Y Effects

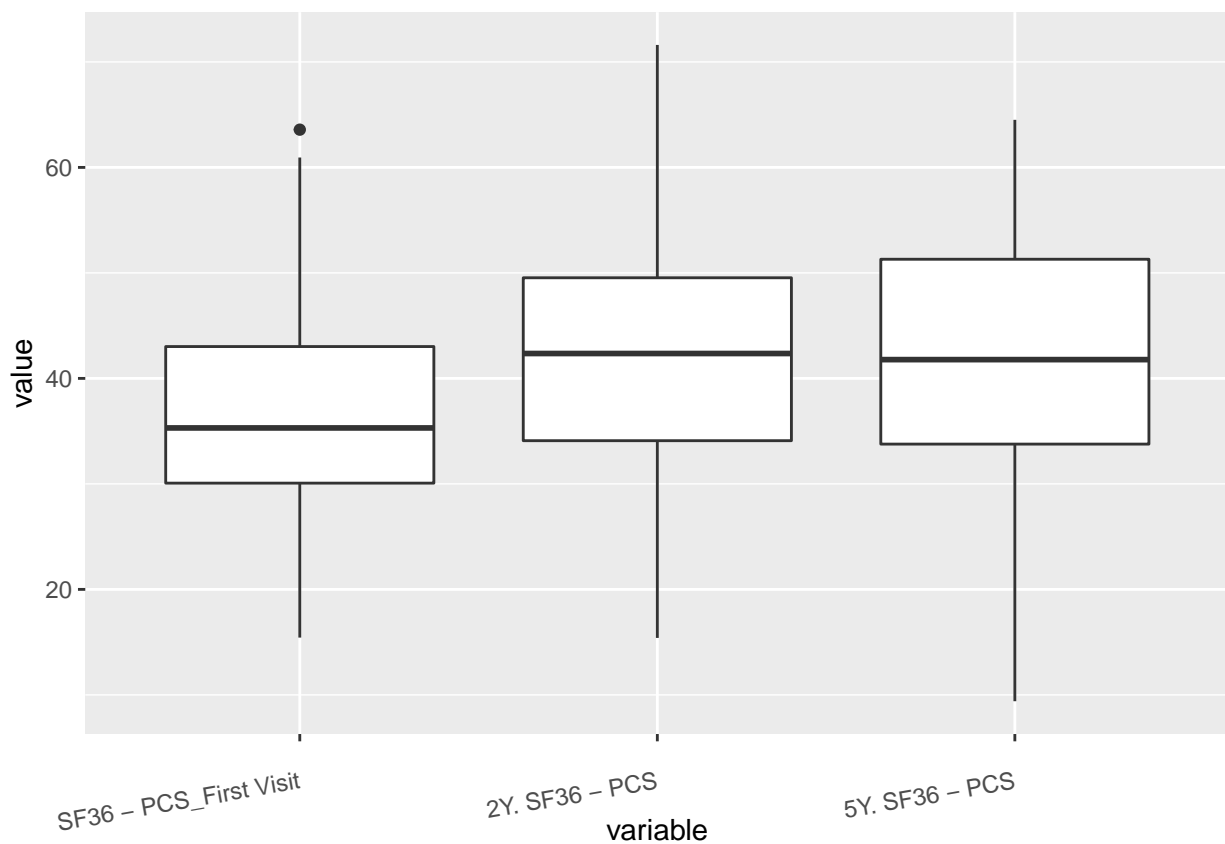
### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.773	0.268	17.802	0.000
Age	-0.008	0.003	-2.626	0.009
GenderMale	0.294	0.108	2.728	0.007
Prior_Spine_SurgeryYes	-0.239	0.101	-2.382	0.018
ASA_classification	-0.332	0.088	-3.787	0.000
BMI_First_Visit	-0.015	0.010	-1.401	0.162
SiteBOR Op	0.029	0.127	0.228	0.820
SiteIST Op	0.030	0.170	0.178	0.859
SiteMAD Op	0.052	0.144	0.360	0.719
SiteZUR Op	0.529	0.145	3.641	0.000
'5y_vs_2y_effect'	0.260	0.409	0.635	0.526
Age:'5y_vs_2y_effect'	0.001	0.005	0.194	0.847
GenderMale:'5y_vs_2y_effect'	0.015	0.165	0.092	0.927
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	0.044	0.153	0.288	0.773
ASA_classification:'5y_vs_2y_effect'	0.073	0.133	0.547	0.584
BMI_First_Visit:'5y_vs_2y_effect'	-0.017	0.016	-1.104	0.270
SiteBOR Op:'5y_vs_2y_effect'	0.006	0.193	0.031	0.975
SiteIST Op:'5y_vs_2y_effect'	0.224	0.260	0.864	0.388
SiteMAD Op:'5y_vs_2y_effect'	-0.177	0.219	-0.806	0.420
SiteZUR Op:'5y_vs_2y_effect'	-0.264	0.217	-1.215	0.225

### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.594	0.261	17.622	0.000
Age	-0.006	0.003	-2.007	0.045
GenderMale	0.372	0.088	4.239	0.000
Prior_Spine_SurgeryYes	-0.158	0.080	-1.964	0.050
ASA_classification	-0.285	0.068	-4.221	0.000
BMI_First_Visit	-0.023	0.008	-2.762	0.006
SiteBOR Op	0.113	0.102	1.104	0.270
SiteIST Op	0.180	0.134	1.339	0.181
SiteMAD Op	0.010	0.111	0.092	0.927
SiteZUR Op	0.368	0.115	3.203	0.001
LGap	0.006	0.003	1.867	0.063
Global_Tilt	-0.007	0.004	-1.685	0.093
Major_curve_Cobb_angle	0.004	0.002	1.770	0.077
'5y_vs_2y_effect'	0.206	0.199	1.035	0.301
LGap:'5y_vs_2y_effect'	-0.002	0.005	-0.480	0.632
Global_Tilt:'5y_vs_2y_effect'	-0.002	0.006	-0.390	0.697
Major_curve_Cobb_angle:'5y_vs_2y_effect'	-0.003	0.003	-1.093	0.275

#### 5Y. SF36 - PCS



SF36 - PCS\_First Visit

#### Basic stats

type SF36 - PCS\_First Visit 2Y. SF36 - PCS 5Y. SF36 - PCS

1: Mean	36.445541	42.02613	41.61483
2: Sd	9.502467	10.36046	11.50466

#### t-test mean comparison p-values

	type	V2
1:	base vs 5	0.00000
2:	2 vs 5	0.67009
3:	base vs 2	0.00000

#### 5 Years Gain Gain (odi neg / others pos) Factors

##### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	8.088	4.546	1.779	0.077
Age	0.075	0.052	1.449	0.149
GenderMale	1.381	1.792	0.771	0.442
'Prior Spine Surgery'Yes	-0.506	1.619	-0.312	0.755
'ASA classification'	-2.888	1.480	-1.951	0.052
'BMI_First Visit'	-0.072	0.172	-0.417	0.677
SiteBOR Op	-0.445	2.034	-0.219	0.827
SiteIST Op	-0.468	3.178	-0.147	0.883
SiteMAD Op	-1.344	2.355	-0.571	0.569
SiteZUR Op	2.732	2.252	1.213	0.226

##### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	5.821	5.292	1.100	0.273
Age	0.097	0.061	1.584	0.115
GenderMale	1.430	1.920	0.745	0.457
'Prior Spine Surgery'Yes	0.392	1.697	0.231	0.818
'ASA classification'	-2.282	1.498	-1.523	0.129
'BMI_First Visit'	-0.008	0.173	-0.048	0.962
SiteBOR Op	-0.725	2.158	-0.336	0.737
SiteIST Op	-1.845	3.261	-0.566	0.572
SiteMAD Op	-1.668	2.401	-0.695	0.488
SiteZUR Op	0.274	2.380	0.115	0.908
LGap	0.070	0.053	1.318	0.189
'Global Tilt'	-0.113	0.068	-1.647	0.101
'Major curve Cobb angle'	0.003	0.039	0.074	0.941

##### HRQL

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	44.101	9.783	4.508	0.000
Age	0.043	0.059	0.732	0.465
GenderMale	1.945	1.748	1.113	0.267
'Prior Spine Surgery'Yes	0.375	1.528	0.246	0.806
'ASA classification'	-1.809	1.367	-1.323	0.187

'BMI_First Visit'	-0.214	0.167	-1.279	0.203
SiteBOR Op	1.645	2.016	0.816	0.416
SiteIST Op	3.262	3.054	1.068	0.287
SiteMAD Op	-0.904	2.194	-0.412	0.681
SiteZUR Op	1.730	2.222	0.779	0.437
LGap	0.030	0.049	0.624	0.534
'Global Tilt'	-0.093	0.062	-1.498	0.136
'Major curve Cobb angle'	-0.029	0.036	-0.807	0.421
'ODI - Score (%)_First Visit'	-0.179	0.072	-2.487	0.014
'SRS22 - SRS Subtotal score_First Visit'	0.693	2.099	0.330	0.742
'SF36 - MCS_First Visit'	0.010	0.080	0.125	0.901
'SF36 - PCS_First Visit'	-0.751	0.119	-6.294	0.000

#### Correction Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	51.252	10.383	4.936	0.000
Age	0.064	0.065	0.975	0.331
GenderMale	2.948	1.880	1.568	0.119
'Prior Spine Surgery'Yes	1.064	1.777	0.599	0.550
'ASA classification'	-1.667	1.414	-1.179	0.240
'BMI_First Visit'	-0.332	0.178	-1.863	0.064
SiteBOR Op	1.191	2.117	0.563	0.574
SiteIST Op	2.999	3.397	0.883	0.379
SiteMAD Op	-2.812	2.482	-1.133	0.259
SiteZUR Op	1.900	2.500	0.760	0.449
LGap	0.096	0.074	1.285	0.201
'Global Tilt'	-0.166	0.089	-1.862	0.065
'Major curve Cobb angle'	-0.012	0.050	-0.247	0.805
'ODI - Score (%)_First Visit'	-0.215	0.077	-2.805	0.006
'SRS22 - SRS Subtotal score_First Visit'	0.673	2.284	0.295	0.769
'SF36 - MCS_First Visit'	-0.044	0.085	-0.519	0.605
'SF36 - PCS_First Visit'	-0.826	0.127	-6.493	0.000
LGap_6w_inc	0.114	0.094	1.212	0.227
'Global Tilt_6w_inc'	-0.157	0.115	-1.371	0.172
'Major curve Cobb angle_6w_inc'	-0.029	0.076	-0.379	0.705

#### Complications

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	49.962	10.314	4.844	0.000
Age	0.081	0.065	1.246	0.215
GenderMale	2.881	1.864	1.546	0.124
'Prior Spine Surgery'Yes	1.054	1.761	0.599	0.550
'ASA classification'	-1.826	1.404	-1.300	0.196
'BMI_First Visit'	-0.324	0.177	-1.834	0.069
SiteBOR Op	0.998	2.100	0.475	0.636
SiteIST Op	3.093	3.368	0.918	0.360
SiteMAD Op	-3.048	2.464	-1.237	0.218
SiteZUR Op	1.517	2.486	0.610	0.543
LGap	0.089	0.074	1.210	0.228
'Global Tilt'	-0.151	0.089	-1.699	0.091
'Major curve Cobb angle'	-0.012	0.049	-0.246	0.806

'ODI - Score (%)_First Visit'	-0.198	0.076	-2.592	0.011
'SRS22 - SRS Subtotal score_First Visit'	0.801	2.265	0.354	0.724
'SF36 - MCS_First Visit'	-0.047	0.084	-0.551	0.582
'SF36 - PCS_First Visit'	-0.816	0.126	-6.465	0.000
LGap_6w_inc	0.114	0.093	1.225	0.223
'Global Tilt_6w_inc'	-0.157	0.114	-1.376	0.171
'Major curve Cobb angle_6w_inc'	-0.037	0.076	-0.487	0.627
had_major_complicationsYes	-2.816	1.479	-1.904	0.059

## Reinterventions

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	50.980	10.361	4.920	0.000
Age	0.072	0.065	1.104	0.271
GenderMale	2.848	1.878	1.517	0.131
'Prior Spine Surgery'Yes	1.069	1.773	0.603	0.548
'ASA classification'	-1.831	1.416	-1.292	0.198
'BMI_First Visit'	-0.312	0.179	-1.749	0.082
SiteBOR Op	1.216	2.112	0.576	0.566
SiteIST Op	3.012	3.389	0.889	0.376
SiteMAD Op	-2.746	2.477	-1.109	0.269
SiteZUR Op	1.971	2.495	0.790	0.431
LGap	0.085	0.075	1.145	0.254
'Global Tilt'	-0.154	0.090	-1.712	0.089
'Major curve Cobb angle'	-0.015	0.050	-0.306	0.760
'ODI - Score (%)_First Visit'	-0.211	0.077	-2.751	0.007
'SRS22 - SRS Subtotal score_First Visit'	0.570	2.281	0.250	0.803
'SF36 - MCS_First Visit'	-0.041	0.085	-0.481	0.631
'SF36 - PCS_First Visit'	-0.826	0.127	-6.507	0.000
LGap_6w_inc	0.115	0.094	1.234	0.219
'Global Tilt_6w_inc'	-0.164	0.115	-1.429	0.155
'Major curve Cobb angle_6w_inc'	-0.037	0.077	-0.485	0.628
had_reinterventionsYes	-2.015	1.552	-1.298	0.196

## 5Y vs 2Y Effects

### Demographics

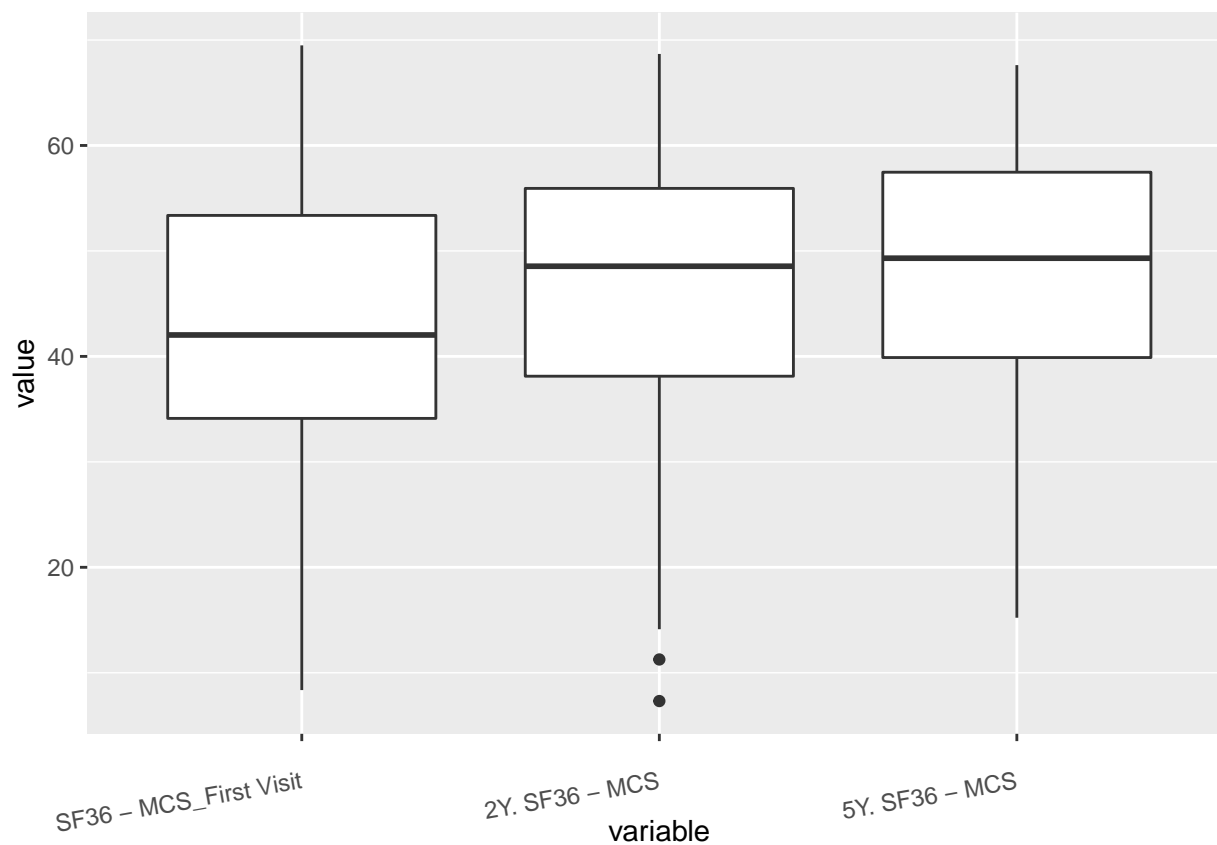
	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	61.879	3.320	18.638	0.000
Age	-0.122	0.039	-3.135	0.002
GenderMale	2.881	1.326	2.172	0.030
Prior_Spine_SurgeryYes	-3.039	1.243	-2.444	0.015
ASA_classification	-3.309	1.080	-3.065	0.002
BMI_First_Visit	-0.322	0.129	-2.498	0.013
SiteBOR Op	1.671	1.558	1.073	0.284
SiteIST Op	-1.943	2.177	-0.893	0.372
SiteMAD Op	-1.812	1.783	-1.016	0.310
SiteZUR Op	5.442	1.787	3.044	0.002
'5y_vs_2y_effect'	4.124	5.125	0.805	0.421
Age:'5y_vs_2y_effect'	-0.032	0.060	-0.532	0.595
GenderMale:'5y_vs_2y_effect'	0.670	2.042	0.328	0.743
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	1.363	1.894	0.719	0.472

ASA_classification: '5y_vs_2y_effect'	0.026	1.654	0.016	0.987
BMI_First_Visit: '5y_vs_2y_effect'	-0.163	0.196	-0.832	0.406
SiteBOR Op: '5y_vs_2y_effect'	0.406	2.385	0.170	0.865
SiteIST Op: '5y_vs_2y_effect'	5.420	3.330	1.628	0.104
SiteMAD Op: '5y_vs_2y_effect'	-0.363	2.733	-0.133	0.894
SiteZUR Op: '5y_vs_2y_effect'	0.096	2.684	0.036	0.971

#### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	62.675	3.212	19.513	0.000
Age	-0.101	0.035	-2.907	0.004
GenderMale	3.357	1.075	3.122	0.002
Prior_Spine_SurgeryYes	-1.771	0.986	-1.797	0.073
ASA_classification	-3.213	0.831	-3.867	0.000
BMI_First_Visit	-0.403	0.100	-4.025	0.000
SiteBOR Op	2.252	1.258	1.791	0.074
SiteIST Op	0.547	1.713	0.319	0.750
SiteMAD Op	-1.491	1.380	-1.080	0.281
SiteZUR Op	4.519	1.408	3.210	0.001
LGap	0.080	0.043	1.878	0.061
Global_Tilt	-0.103	0.051	-2.035	0.042
Major_curve_Cobb_angle	0.005	0.026	0.187	0.852
'5y_vs_2y_effect'	0.729	2.449	0.298	0.766
LGap: '5y_vs_2y_effect'	-0.073	0.063	-1.158	0.247
Global_Tilt: '5y_vs_2y_effect'	0.033	0.071	0.460	0.646
Major_curve_Cobb_angle: '5y_vs_2y_effect'	-0.024	0.038	-0.638	0.524

5Y. SF36 - MCS



SF36 - MCS\_First Visit

### Basic stats

	type	SF36 - MCS_First Visit	2Y. SF36 - MCS	5Y. SF36 - MCS
1: Mean		42.92071	46.43947	47.53255
2: Sd		12.21683	12.34187	11.42123

### t-test mean comparison p-values

	type	V2
1: base vs 5		0.00001
2: 2 vs 5		0.29130
3: base vs 2		0.00050

### 5 Years Gain Gain (odi neg / others pos) Factors

#### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	0.590	5.211	0.113	0.910
Age	-0.111	0.059	-1.877	0.062
GenderMale	-1.833	2.051	-0.894	0.372
'Prior Spine Surgery'Yes	-0.726	1.855	-0.392	0.696

'ASA classification'	2.189	1.695	1.292	0.198
'BMI_First Visit'	0.130	0.197	0.659	0.511
SiteBOR Op	4.565	2.330	1.960	0.051
SiteIST Op	8.441	3.644	2.317	0.022
SiteMAD Op	1.468	2.700	0.544	0.587
SiteZUR Op	-0.400	2.571	-0.156	0.877

#### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	5.899	6.085	0.969	0.334
Age	-0.095	0.070	-1.358	0.176
GenderMale	-3.272	2.204	-1.485	0.139
'Prior Spine Surgery'Yes	-0.943	1.952	-0.483	0.630
'ASA classification'	2.837	1.722	1.648	0.101
'BMI_First Visit'	0.148	0.199	0.744	0.458
SiteBOR Op	4.353	2.481	1.755	0.081
SiteIST Op	9.164	3.753	2.441	0.016
SiteMAD Op	1.063	2.762	0.385	0.701
SiteZUR Op	-0.545	2.727	-0.200	0.842
LGap	-0.006	0.061	-0.105	0.916
'Global Tilt'	-0.115	0.079	-1.458	0.147
'Major curve Cobb angle'	-0.106	0.044	-2.391	0.018

#### HRQL

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	31.453	10.595	2.969	0.003
Age	-0.029	0.063	-0.466	0.642
GenderMale	-1.160	1.889	-0.614	0.540
'Prior Spine Surgery'Yes	-1.363	1.654	-0.824	0.411
'ASA classification'	1.526	1.478	1.032	0.303
'BMI_First Visit'	0.115	0.181	0.634	0.527
SiteBOR Op	0.851	2.181	0.390	0.697
SiteIST Op	3.061	3.307	0.926	0.356
SiteMAD Op	-0.987	2.375	-0.415	0.678
SiteZUR Op	-2.698	2.401	-1.124	0.263
LGap	0.061	0.053	1.154	0.250
'Global Tilt'	-0.105	0.067	-1.568	0.119
'Major curve Cobb angle'	-0.057	0.039	-1.488	0.138
'ODI - Score (%)_First Visit'	-0.061	0.078	-0.782	0.435
'SRS22 - SRS Subtotal score_First Visit'	6.023	2.268	2.656	0.009
'SF36 - MCS_First Visit'	-0.752	0.087	-8.662	0.000
'SF36 - PCS_First Visit'	-0.242	0.129	-1.876	0.062

#### Correction Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	34.660	11.326	3.060	0.003
Age	-0.026	0.071	-0.362	0.718
GenderMale	-1.198	2.049	-0.584	0.560
'Prior Spine Surgery'Yes	-3.318	1.939	-1.712	0.089



'ASA classification'	2.051	1.542	1.330	0.185
'BMI_First Visit'	0.139	0.195	0.713	0.477
SiteBOR Op	0.424	2.307	0.184	0.854
SiteIST Op	3.884	3.707	1.048	0.296
SiteMAD Op	-2.323	2.708	-0.858	0.392
SiteZUR Op	-2.214	2.720	-0.814	0.417
LGap	0.062	0.081	0.768	0.444
'Global Tilt'	-0.163	0.097	-1.671	0.097
'Major curve Cobb angle'	0.000	0.054	-0.007	0.995
'ODI - Score (%)_First Visit'	-0.079	0.084	-0.948	0.345
'SRS22 - SRS Subtotal score_First Visit'	5.572	2.486	2.241	0.026
'SF36 - MCS_First Visit'	-0.744	0.093	-8.021	0.000
'SF36 - PCS_First Visit'	-0.267	0.139	-1.920	0.057
LGap_6w_inc	-0.005	0.102	-0.053	0.958
'Global Tilt_6w_inc'	-0.035	0.125	-0.277	0.782
'Major curve Cobb angle_6w_inc'	0.143	0.083	1.713	0.089

#### Complications

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	33.211	11.225	2.959	0.004
Age	-0.006	0.071	-0.084	0.933
GenderMale	-1.257	2.027	-0.620	0.536
'Prior Spine Surgery'Yes	-3.319	1.918	-1.731	0.086
'ASA classification'	1.876	1.527	1.228	0.221
'BMI_First Visit'	0.149	0.193	0.773	0.441
SiteBOR Op	0.217	2.284	0.095	0.924
SiteIST Op	4.013	3.668	1.094	0.276
SiteMAD Op	-2.583	2.681	-0.963	0.337
SiteZUR Op	-2.702	2.701	-1.001	0.319
LGap	0.055	0.080	0.687	0.493
'Global Tilt'	-0.144	0.097	-1.489	0.139
'Major curve Cobb angle'	0.000	0.053	0.007	0.995
'ODI - Score (%)_First Visit'	-0.060	0.083	-0.724	0.470
'SRS22 - SRS Subtotal score_First Visit'	5.691	2.460	2.314	0.022
'SF36 - MCS_First Visit'	-0.745	0.092	-8.128	0.000
'SF36 - PCS_First Visit'	-0.255	0.137	-1.858	0.065
LGap_6w_inc	-0.005	0.101	-0.052	0.958
'Global Tilt_6w_inc'	-0.033	0.124	-0.267	0.790
'Major curve Cobb angle_6w_inc'	0.134	0.083	1.622	0.107
had_major_complicationsYes	-3.327	1.606	-2.072	0.040

#### Reinterventions

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	34.162	11.124	3.071	0.003
Age	-0.009	0.070	-0.126	0.900
GenderMale	-1.389	2.014	-0.690	0.491
'Prior Spine Surgery'Yes	-3.298	1.904	-1.732	0.085
'ASA classification'	1.718	1.520	1.131	0.260
'BMI_First Visit'	0.181	0.192	0.945	0.346
SiteBOR Op	0.498	2.266	0.220	0.826
SiteIST Op	3.928	3.641	1.079	0.282

SiteMAD Op	-2.166	2.660	-0.814	0.417
SiteZUR Op	-2.100	2.672	-0.786	0.433
LGap	0.041	0.080	0.515	0.608
'Global Tilt'	-0.135	0.096	-1.404	0.162
'Major curve Cobb angle'	-0.006	0.053	-0.112	0.911
'ODI - Score (%)_First Visit'	-0.071	0.082	-0.861	0.390
'SRS22 - SRS Subtotal score_First Visit'	5.321	2.443	2.178	0.031
'SF36 - MCS_First Visit'	-0.736	0.091	-8.076	0.000
'SF36 - PCS_First Visit'	-0.267	0.136	-1.957	0.052
LGap_6w_inc	-0.002	0.101	-0.018	0.986
'Global Tilt_6w_inc'	-0.048	0.123	-0.386	0.700
'Major curve Cobb angle_6w_inc'	0.126	0.082	1.537	0.126
had_reinterventionsYes	-4.251	1.664	-2.554	0.012

## 5Y vs 2Y Effects

### Demographics

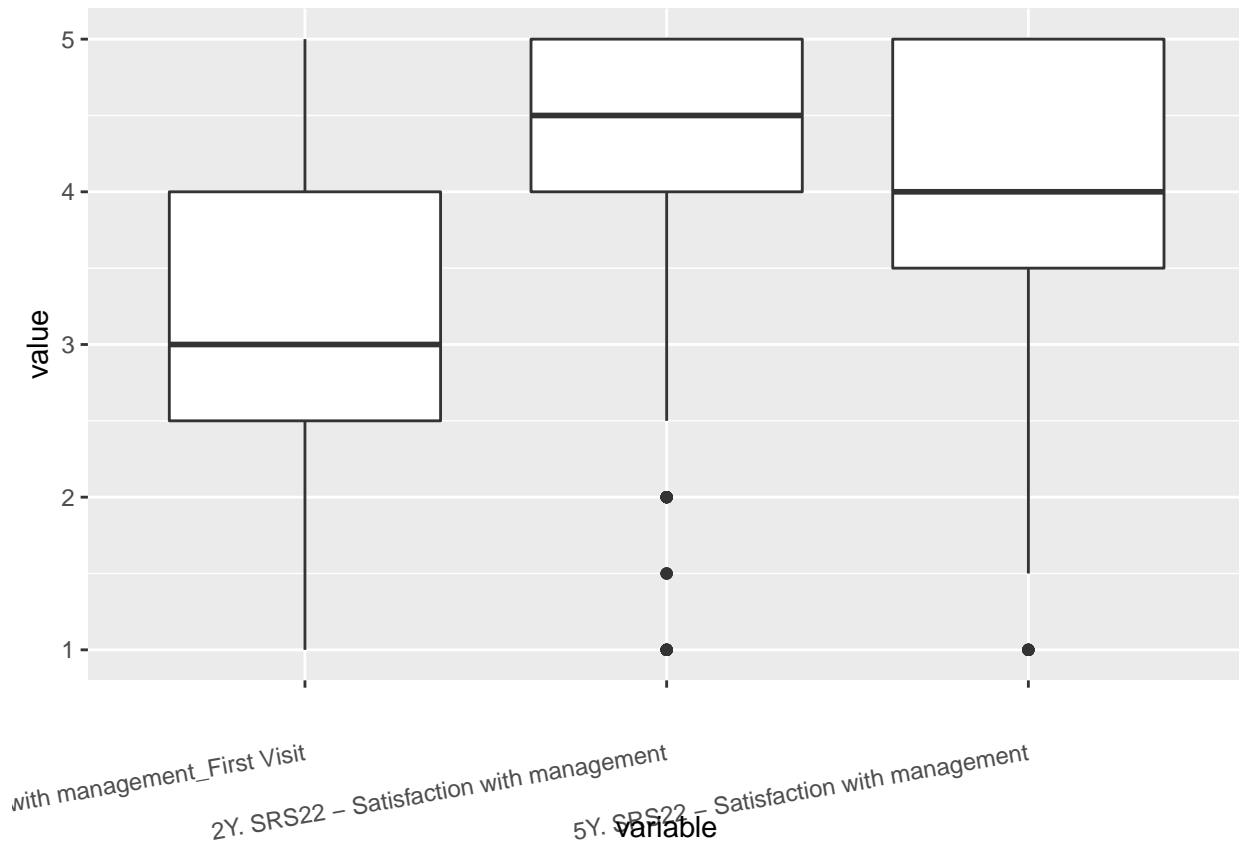
	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	56.334	4.075	13.826	0.000
Age	-0.023	0.048	-0.490	0.624
GenderMale	4.595	1.633	2.813	0.005
Prior_Spine_SurgeryYes	-2.868	1.525	-1.881	0.061
ASA_classification	-4.219	1.323	-3.189	0.002
BMI_First_Visit	-0.023	0.158	-0.147	0.884
SiteBOR Op	-2.784	1.909	-1.459	0.145
SiteIST Op	-6.790	2.705	-2.510	0.012
SiteMAD Op	2.986	2.185	1.367	0.172
SiteZUR Op	3.045	2.190	1.390	0.165
'5y_vs_2y_effect'	-3.439	6.282	-0.547	0.584
Age:'5y_vs_2y_effect'	-0.011	0.073	-0.154	0.878
GenderMale:'5y_vs_2y_effect'	-2.706	2.505	-1.080	0.280
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	-0.820	2.321	-0.353	0.724
ASA_classification:'5y_vs_2y_effect'	2.945	2.025	1.454	0.146
BMI_First_Visit:'5y_vs_2y_effect'	0.020	0.241	0.082	0.935
SiteBOR Op:'5y_vs_2y_effect'	1.709	2.920	0.585	0.559
SiteIST Op:'5y_vs_2y_effect'	5.981	4.105	1.457	0.146
SiteMAD Op:'5y_vs_2y_effect'	-3.694	3.348	-1.103	0.270
SiteZUR Op:'5y_vs_2y_effect'	-2.231	3.280	-0.680	0.497

### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	50.708	4.012	12.638	0.000
Age	-0.050	0.043	-1.165	0.245
GenderMale	3.725	1.344	2.771	0.006
Prior_Spine_SurgeryYes	-2.564	1.227	-2.089	0.037
ASA_classification	-2.863	1.034	-2.769	0.006
BMI_First_Visit	-0.036	0.125	-0.286	0.775
SiteBOR Op	-1.374	1.567	-0.877	0.381
SiteIST Op	-3.602	2.154	-1.672	0.095
SiteMAD Op	1.910	1.718	1.112	0.267
SiteZUR Op	2.164	1.750	1.236	0.217

LGap	0.042	0.054	0.782	0.435
Global_Tilt	0.039	0.063	0.610	0.542
Major_curve_Cobb_angle	0.068	0.032	2.080	0.038
'5y_vs_2y_effect'	5.627	3.046	1.848	0.065
LGap:'5y_vs_2y_effect'	0.063	0.079	0.807	0.420
Global_Tilt:'5y_vs_2y_effect'	-0.126	0.089	-1.425	0.155
Major_curve_Cobb_angle:'5y_vs_2y_effect'	-0.060	0.047	-1.261	0.208

5Y. SRS22 - Satisfaction with management



SRS22 - Satisfaction with management\_First Visit

### Basic stats

```

type SRS22 - Satisfaction with management_First Visit
1: Mean 3.057692
2:  Sd 1.090962
2Y. SRS22 - Satisfaction with management
1: 4.118033
2: 1.035951
5Y. SRS22 - Satisfaction with management
1: 4.012766
2: 1.006309

```

# t-test mean comparison p-values

```

      type      V2
1: base vs 5 0.00000
2:   2 vs 5 0.23468
3: base vs 2 0.00000

```

## 5 Years Gain Gain (odi neg / others pos) Factors

### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	1.264	0.688	1.837	0.069
Age	0.010	0.008	1.326	0.188
GenderMale	-0.137	0.301	-0.454	0.651
'Prior Spine Surgery'Yes	0.388	0.253	1.535	0.128
'ASA classification'	-0.572	0.207	-2.766	0.007
'BMI_First Visit'	-0.003	0.028	-0.101	0.919
SiteBOR Op	0.781	0.473	1.650	0.102
SiteIST Op	0.792	0.565	1.402	0.164
SiteMAD Op	0.096	0.314	0.306	0.760
SiteZUR Op	0.145	0.312	0.465	0.643

### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	1.487	0.755	1.970	0.052
Age	0.010	0.009	1.159	0.249
GenderMale	-0.127	0.327	-0.390	0.697
'Prior Spine Surgery'Yes	0.202	0.254	0.794	0.429
'ASA classification'	-0.481	0.200	-2.412	0.018
'BMI_First Visit'	0.011	0.027	0.396	0.693
SiteBOR Op	0.569	0.471	1.209	0.230
SiteIST Op	0.768	0.541	1.420	0.159
SiteMAD Op	0.058	0.309	0.187	0.852
SiteZUR Op	-0.221	0.318	-0.695	0.489
LGap	0.015	0.008	1.844	0.068
'Global Tilt'	-0.011	0.010	-1.028	0.306
'Major curve Cobb angle'	-0.012	0.006	-2.087	0.040

### HRQL

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	6.025	1.403	4.294	0.000
Age	0.012	0.009	1.348	0.181
GenderMale	-0.089	0.312	-0.287	0.775
'Prior Spine Surgery'Yes	0.305	0.237	1.287	0.202
'ASA classification'	-0.445	0.216	-2.063	0.042
'BMI_First Visit'	0.005	0.028	0.195	0.846
SiteBOR Op	0.941	0.460	2.045	0.044
SiteIST Op	1.464	0.610	2.401	0.018
SiteMAD Op	0.201	0.294	0.682	0.497

SiteZUR Op	0.061	0.308	0.200	0.842
LGap	0.013	0.008	1.565	0.121
'Global Tilt'	-0.014	0.010	-1.424	0.158
'Major curve Cobb angle'	-0.014	0.006	-2.414	0.018
'ODI - Score (%)_First Visit'	-0.026	0.011	-2.349	0.021
'SRS22 - SRS Subtotal score_First Visit'	-0.062	0.337	-0.184	0.855
'SF36 - MCS_First Visit'	-0.024	0.013	-1.932	0.057
'SF36 - PCS_First Visit'	-0.067	0.019	-3.457	0.001

#### Correction Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	6.842	1.654	4.137	0.000
Age	0.018	0.011	1.677	0.098
GenderMale	0.068	0.362	0.187	0.852
'Prior Spine Surgery'Yes	0.374	0.300	1.247	0.217
'ASA classification'	-0.602	0.235	-2.559	0.013
'BMI_First Visit'	-0.006	0.032	-0.176	0.861
SiteBOR Op	0.511	0.492	1.039	0.303
SiteIST Op	1.849	0.903	2.049	0.044
SiteMAD Op	0.204	0.346	0.589	0.558
SiteZUR Op	0.042	0.358	0.117	0.907
LGap	0.010	0.013	0.758	0.451
'Global Tilt'	-0.015	0.016	-0.902	0.371
'Major curve Cobb angle'	-0.005	0.008	-0.592	0.556
'ODI - Score (%)_First Visit'	-0.030	0.013	-2.337	0.023
'SRS22 - SRS Subtotal score_First Visit'	-0.100	0.392	-0.255	0.800
'SF36 - MCS_First Visit'	-0.033	0.014	-2.321	0.023
'SF36 - PCS_First Visit'	-0.070	0.022	-3.188	0.002
LGap_6w_inc	0.003	0.017	0.154	0.878
'Global Tilt_6w_inc'	-0.019	0.022	-0.852	0.397
'Major curve Cobb angle_6w_inc'	0.012	0.012	1.019	0.312

#### Complications

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	5.957	1.521	3.917	0.000
Age	0.018	0.010	1.901	0.062
GenderMale	0.007	0.330	0.020	0.984
'Prior Spine Surgery'Yes	0.412	0.273	1.511	0.136
'ASA classification'	-0.531	0.215	-2.474	0.016
'BMI_First Visit'	0.009	0.029	0.314	0.755
SiteBOR Op	0.154	0.456	0.337	0.737
SiteIST Op	1.733	0.821	2.112	0.039
SiteMAD Op	0.135	0.315	0.428	0.670
SiteZUR Op	-0.135	0.329	-0.411	0.682
LGap	0.016	0.012	1.346	0.183
'Global Tilt'	-0.015	0.015	-0.994	0.324
'Major curve Cobb angle'	-0.007	0.007	-0.894	0.375
'ODI - Score (%)_First Visit'	-0.024	0.012	-2.029	0.047
'SRS22 - SRS Subtotal score_First Visit'	0.004	0.357	0.012	0.991
'SF36 - MCS_First Visit'	-0.033	0.013	-2.547	0.013
'SF36 - PCS_First Visit'	-0.065	0.020	-3.280	0.002

LGap_6w_inc	0.010	0.015	0.662	0.510
'Global Tilt_6w_inc'	-0.029	0.020	-1.466	0.147
'Major curve Cobb angle_6w_inc'	0.008	0.011	0.732	0.467
had_major_complicationsYes	-0.893	0.231	-3.861	0.000

#### Reinterventions

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	6.060	1.564	3.876	0.000
Age	0.016	0.010	1.629	0.108
GenderMale	-0.109	0.343	-0.318	0.751
'Prior Spine Surgery'Yes	0.458	0.281	1.628	0.108
'ASA_classification'	-0.579	0.220	-2.633	0.011
'BMI_First_Visit'	0.022	0.031	0.700	0.486
SiteBOR Op	0.330	0.463	0.714	0.478
SiteIST Op	1.663	0.845	1.968	0.053
SiteMAD Op	0.297	0.324	0.916	0.363
SiteZUR Op	0.115	0.335	0.342	0.733
LGap	0.011	0.012	0.963	0.339
'Global Tilt'	-0.009	0.015	-0.610	0.544
'Major curve Cobb angle'	-0.010	0.008	-1.248	0.217
'ODI - Score (%)_First_Visit'	-0.028	0.012	-2.314	0.024
'SRS22 - SRS Subtotal score_First_Visit'	-0.182	0.367	-0.496	0.622
'SF36 - MCS_First_Visit'	-0.027	0.013	-2.009	0.049
'SF36 - PCS_First_Visit'	-0.064	0.020	-3.132	0.003
LGap_6w_inc	0.009	0.016	0.604	0.548
'Global Tilt_6w_inc'	-0.028	0.021	-1.341	0.185
'Major curve Cobb angle_6w_inc'	0.006	0.011	0.498	0.620
had_reinterventionsYes	-0.867	0.266	-3.262	0.002

#### 5Y vs 2Y Effects

##### Demographics

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	5.074	0.339	14.988	0.000
Age	-0.007	0.004	-1.795	0.073
GenderMale	0.159	0.136	1.167	0.244
Prior_Spine_SurgeryYes	-0.195	0.128	-1.531	0.126
ASA_classification	-0.330	0.112	-2.958	0.003
BMI_First_Visit	-0.001	0.013	-0.090	0.928
SiteBOR Op	0.145	0.160	0.905	0.366
SiteIST Op	0.037	0.217	0.170	0.865
SiteMAD Op	-0.263	0.182	-1.449	0.148
SiteZUR Op	0.455	0.184	2.475	0.014
'5y_vs_2y_effect'	-0.267	0.518	-0.515	0.607
Age:'5y_vs_2y_effect'	0.002	0.006	0.393	0.694
GenderMale:'5y_vs_2y_effect'	-0.111	0.208	-0.531	0.595
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	0.316	0.193	1.638	0.102
ASA_classification:'5y_vs_2y_effect'	-0.117	0.169	-0.692	0.489
BMI_First_Visit:'5y_vs_2y_effect'	0.007	0.020	0.350	0.726
SiteBOR Op:'5y_vs_2y_effect'	-0.186	0.243	-0.766	0.444
SiteIST Op:'5y_vs_2y_effect'	0.257	0.329	0.781	0.435

SiteMAD Op: '5y_vs_2y_effect'	0.088	0.277	0.317	0.751
SiteZUR Op: '5y_vs_2y_effect'	0.057	0.275	0.207	0.836

#### Radiology

	Estimate	Std. Error	t value	Pr(> t )
(Intercept)	4.733	0.328	14.424	0.000
Age	-0.007	0.004	-1.937	0.053
GenderMale	0.206	0.111	1.862	0.063
Prior_Spine_SurgeryYes	-0.095	0.101	-0.939	0.348
ASA_classification	-0.365	0.086	-4.270	0.000
BMI_First_Visit	0.004	0.010	0.392	0.695
SiteBOR Op	0.076	0.129	0.589	0.556
SiteIST Op	0.162	0.170	0.949	0.343
SiteMAD Op	-0.210	0.140	-1.496	0.135
SiteZUR Op	0.454	0.145	3.124	0.002
LGap	0.007	0.004	1.685	0.093
Global_Tilt	-0.001	0.005	-0.269	0.788
Major_curve_Cobb_angle	0.003	0.003	1.117	0.265
'5y_vs_2y_effect'	0.371	0.251	1.480	0.140
LGap: '5y_vs_2y_effect'	-0.007	0.006	-1.017	0.309
Global_Tilt: '5y_vs_2y_effect'	-0.003	0.007	-0.420	0.675
Major_curve_Cobb_angle: '5y_vs_2y_effect'	-0.007	0.004	-1.762	0.079