

5y quality life analysis

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

Filters

```
# discarded_patients <- readLines('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] %>%  
#   .[`st1. Date of Stage` %>% as.Date() < as.Date('2016-6-1')]
```

Total Patients for the analysis: 708

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

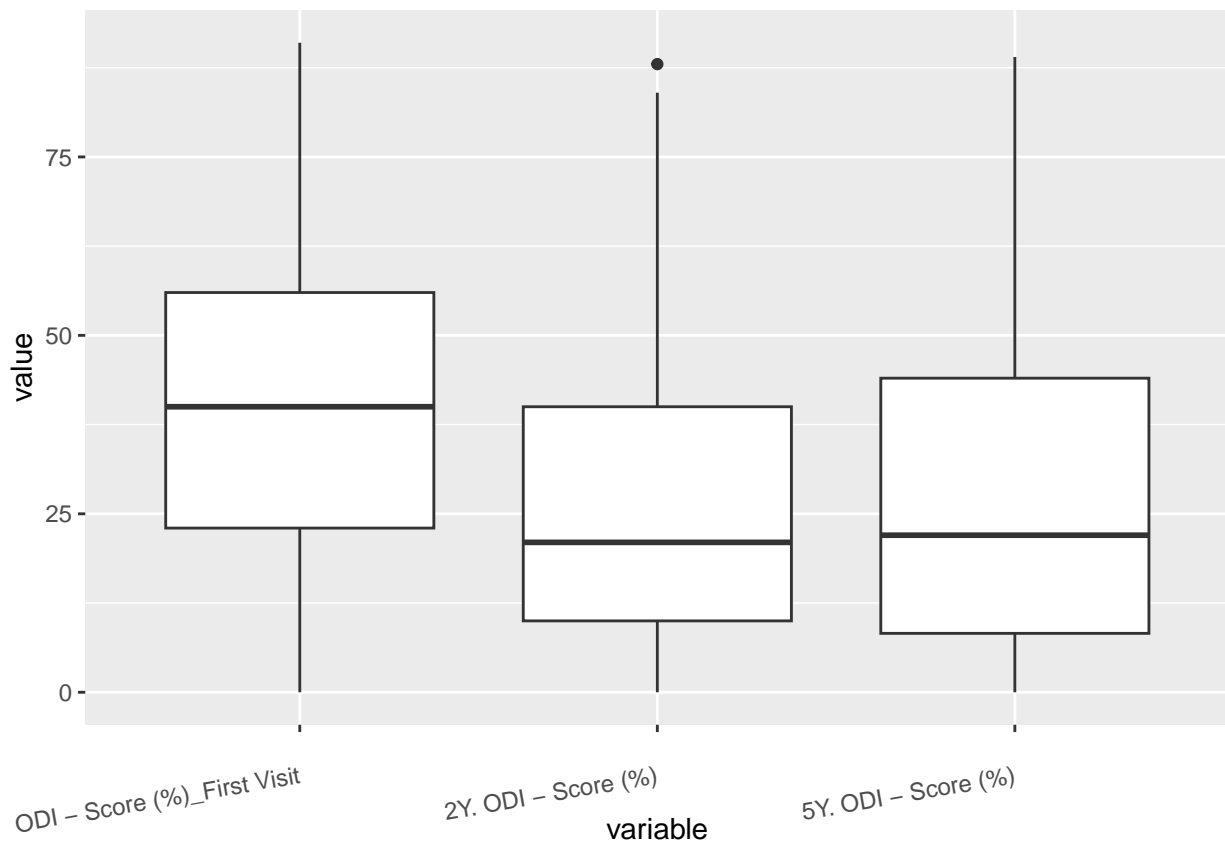
radiologic:

- Global Tilt
- Static Major curve Cobb angle

qualitylife:

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

Scores



Basic stats

	type	ODI - Score (%)_First Visit	2Y. ODI - Score (%)	5Y. ODI - Score (%)
1: Mean		39.52065	26.6200	28.5514
2: Sd		21.38889	20.4789	22.8322

t-test mean comparison p-values

	type	V2
1: base vs 5	0.00000	
2: 2 vs 5	0.29328	
3: base vs 2	0.00000	

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

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	5.569	8.918	0.625	0.533
Age	-0.097	0.102	-0.957	0.340
GenderMale	-2.613	3.666	-0.713	0.477
'Prior Spine Surgery'Yes	4.898	3.315	1.478	0.141
'ASA classification'	-1.600	2.424	-0.660	0.510
'BMI_First Visit'	-0.271	0.347	-0.781	0.436

SiteBOR Op	0.635	4.474	0.142	0.887
SiteIST Op	-6.393	5.240	-1.220	0.224
SiteMAD Op	1.457	4.709	0.309	0.757
SiteZUR Op	-13.245	20.074	-0.660	0.510

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	5.626	10.549	0.533	0.594
Age	-0.067	0.120	-0.559	0.577
GenderMale	-4.057	3.720	-1.091	0.277
'Prior Spine Surgery'Yes	5.097	3.551	1.435	0.153
'ASA classification'	-1.113	2.439	-0.456	0.649
'BMI_First Visit'	-0.136	0.350	-0.390	0.697
SiteBOR Op	-0.476	4.618	-0.103	0.918
SiteIST Op	-5.259	5.528	-0.951	0.343
SiteMAD Op	0.898	4.846	0.185	0.853
SiteZUR Op	-17.654	20.059	-0.880	0.380
'Global Tilt'	-0.082	0.103	-0.800	0.425
'Static Major curve Cobb angle'	-0.061	0.069	-0.884	0.378

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	30.302	18.954	1.599	0.112
Age	0.054	0.110	0.491	0.624
GenderMale	-7.711	3.432	-2.247	0.026
'Prior Spine Surgery'Yes	10.473	3.247	3.225	0.001
'ASA classification'	1.415	2.187	0.647	0.518
'BMI_First Visit'	0.546	0.321	1.700	0.091
SiteBOR Op	1.612	4.151	0.388	0.698
SiteIST Op	-6.597	5.112	-1.291	0.199
SiteMAD Op	1.142	4.270	0.267	0.789
SiteZUR Op	-26.518	17.773	-1.492	0.137
'Global Tilt'	-0.044	0.093	-0.470	0.639
'Static Major curve Cobb angle'	-0.076	0.061	-1.253	0.212
'ODI - Score (%)_First Visit'	-0.843	0.130	-6.479	0.000
'SRS22 - SRS Subtotal score_First Visit'	-8.095	3.883	-2.085	0.039
'SF36 - MCS_First Visit'	0.027	0.154	0.172	0.863
'SF36 - PCS_First Visit'	-0.053	0.241	-0.220	0.826

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.222	24.143	1.542	0.126
Age	0.163	0.144	1.132	0.260
GenderMale	-8.333	4.421	-1.885	0.062
'Prior Spine Surgery'Yes	14.204	4.076	3.485	0.001
'ASA classification'	0.942	2.666	0.353	0.725
'BMI_First Visit'	0.695	0.411	1.690	0.094
SiteBOR Op	-0.159	5.262	-0.030	0.976
SiteIST Op	2.944	8.406	0.350	0.727
SiteMAD Op	0.930	5.478	0.170	0.865
'Global Tilt'	0.000	0.170	-0.002	0.998
'Static Major curve Cobb angle'	0.054	0.109	0.496	0.621
'ODI - Score (%)_First Visit'	-1.049	0.172	-6.092	0.000
'SRS22 - SRS Subtotal score_First Visit'	-12.985	4.929	-2.634	0.010
'SF36 - MCS_First Visit'	0.058	0.194	0.297	0.767
'SF36 - PCS_First Visit'	-0.031	0.316	-0.097	0.922

'Global Tilt_6w_inc'	0.178	0.188	0.944	0.347
'Static Major curve Cobb angle_6w_inc'	0.119	0.163	0.730	0.467

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.194	24.058	1.546	0.125
Age	0.171	0.144	1.188	0.237
GenderMale	-7.565	4.441	-1.704	0.091
'Prior Spine Surgery'Yes	13.911	4.067	3.421	0.001
'ASA classification'	1.038	2.658	0.391	0.697
'BMI_First Visit'	0.642	0.411	1.562	0.121
SiteBOR Op	-0.871	5.270	-0.165	0.869
SiteIST Op	2.797	8.376	0.334	0.739
SiteMAD Op	0.069	5.495	0.013	0.990
'Global Tilt'	0.000	0.170	-0.003	0.998
'Static Major curve Cobb angle'	0.080	0.111	0.725	0.470
'ODI - Score (%)_First Visit'	-1.057	0.172	-6.157	0.000
'SRS22 - SRS Subtotal score_First Visit'	-13.425	4.923	-2.727	0.007
'SF36 - MCS_First Visit'	0.082	0.194	0.423	0.673
'SF36 - PCS_First Visit'	-0.023	0.315	-0.073	0.942
'Global Tilt_6w_inc'	0.206	0.189	1.091	0.277
'Static Major curve Cobb angle_6w_inc'	0.139	0.163	0.852	0.396
had_major_complicationsYes	5.448	3.992	1.365	0.175

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.222	24.143	1.542	0.126
Age	0.163	0.144	1.132	0.260
GenderMale	-8.333	4.421	-1.885	0.062
'Prior Spine Surgery'Yes	14.204	4.076	3.485	0.001
'ASA classification'	0.942	2.666	0.353	0.725
'BMI_First Visit'	0.695	0.411	1.690	0.094
SiteBOR Op	-0.159	5.262	-0.030	0.976
SiteIST Op	2.944	8.406	0.350	0.727
SiteMAD Op	0.930	5.478	0.170	0.865
'Global Tilt'	0.000	0.170	-0.002	0.998
'Static Major curve Cobb angle'	0.054	0.109	0.496	0.621
'ODI - Score (%)_First Visit'	-1.049	0.172	-6.092	0.000
'SRS22 - SRS Subtotal score_First Visit'	-12.985	4.929	-2.634	0.010
'SF36 - MCS_First Visit'	0.058	0.194	0.297	0.767
'SF36 - PCS_First Visit'	-0.031	0.316	-0.097	0.922
'Global Tilt_6w_inc'	0.178	0.188	0.944	0.347
'Static Major curve Cobb angle_6w_inc'	0.119	0.163	0.730	0.467

5Y vs 2Y Effects

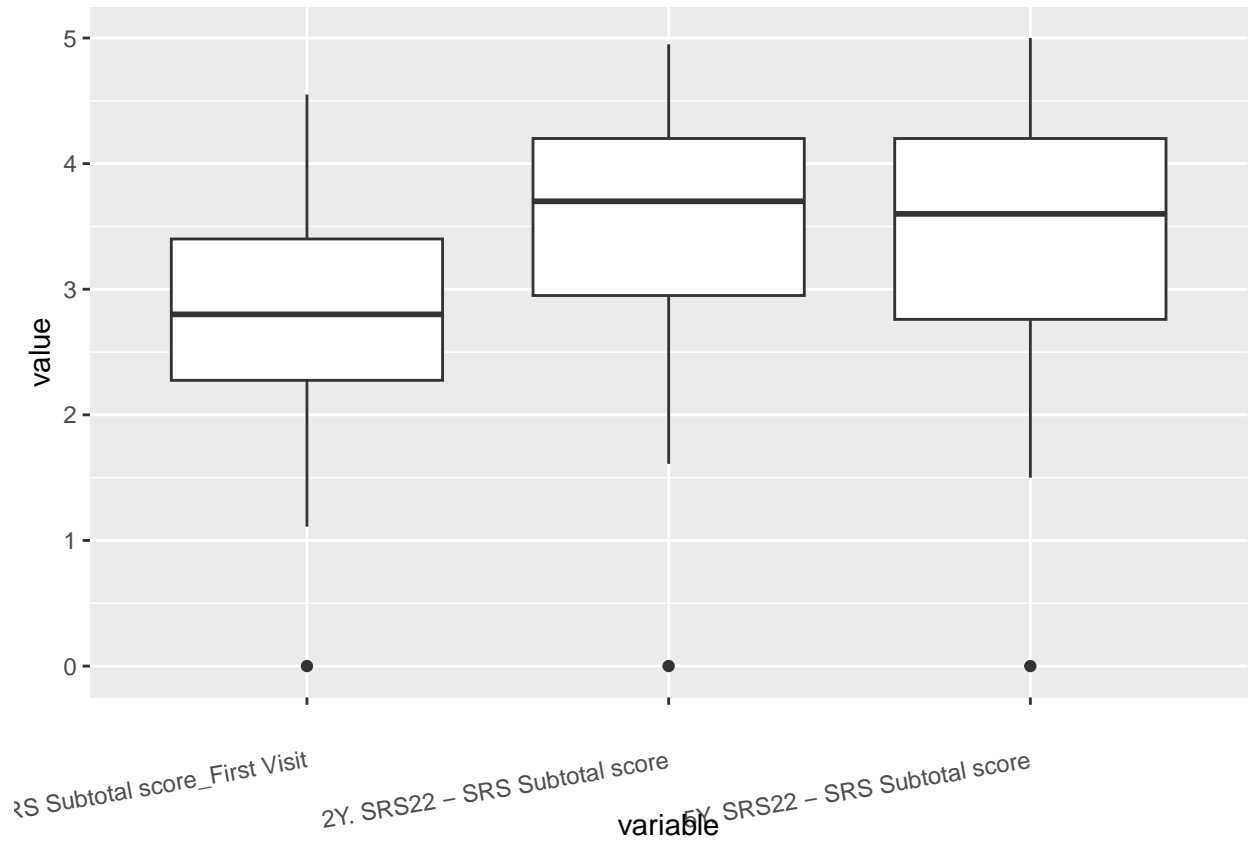
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-11.628	5.589	-2.081	0.038
Age	0.237	0.065	3.617	0.000
GenderMale	-1.138	2.133	-0.534	0.594
Prior_Spine_SurgeryYes	9.042	1.993	4.537	0.000
ASA_classification	2.655	1.603	1.657	0.098
BMI_First_Visit	0.770	0.206	3.741	0.000
SiteBOR Op	-3.168	2.771	-1.144	0.253
SiteIST Op	-8.346	3.074	-2.715	0.007

SiteMAD Op	0.484	3.093	0.156	0.876
SiteZUR Op	-10.920	7.660	-1.426	0.154
'5y_vs_2y_effect'	-2.514	9.653	-0.260	0.795
Age:'5y_vs_2y_effect'	0.009	0.112	0.082	0.935
GenderMale:'5y_vs_2y_effect'	-7.294	3.912	-1.864	0.063
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	7.272	3.584	2.029	0.043
ASA_classification:'5y_vs_2y_effect'	-1.744	2.708	-0.644	0.520
BMI_First_Visit:'5y_vs_2y_effect'	0.158	0.376	0.421	0.674
SiteBOR Op:'5y_vs_2y_effect'	6.306	4.823	1.307	0.192
SiteIST Op:'5y_vs_2y_effect'	0.471	5.509	0.085	0.932
SiteMAD Op:'5y_vs_2y_effect'	-0.757	5.154	-0.147	0.883
SiteZUR Op:'5y_vs_2y_effect'	-22.953	19.745	-1.162	0.245

	Estimate	Std. Error	t value
(Intercept)	-12.046	5.699	-2.114
Age	0.197	0.062	3.165
GenderMale	-3.819	1.840	-2.076
Prior_Spine_SurgeryYes	10.290	1.776	5.795
ASA_classification	2.275	1.313	1.733
BMI_First_Visit	0.847	0.175	4.835
SiteBOR Op	-1.631	2.327	-0.701
SiteIST Op	-7.032	2.702	-2.603
SiteMAD Op	0.008	2.534	0.003
SiteZUR Op	-15.554	7.583	-2.051
Global_Tilt	0.033	0.059	0.561
Static_Major_curve_Cobb_angle	0.002	0.041	0.053
'5y_vs_2y_effect'	9.574	4.538	2.110
Global_Tilt:'5y_vs_2y_effect'	0.046	0.085	0.541
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	-0.173	0.066	-2.604

Pr(>|t|)

(Intercept)	0.035
Age	0.002
GenderMale	0.038
Prior_Spine_SurgeryYes	0.000
ASA_classification	0.084
BMI_First_Visit	0.000
SiteBOR Op	0.484
SiteIST Op	0.009
SiteMAD Op	0.997
SiteZUR Op	0.041
Global_Tilt	0.575
Static_Major_curve_Cobb_angle	0.958
'5y_vs_2y_effect'	0.035
Global_Tilt:'5y_vs_2y_effect'	0.589
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.009



Basic stats

	type	SRS22 - SRS Subtotal score_First Visit	2Y. SRS22 - SRS Subtotal score	5Y. SRS22 - SRS Subtotal score
1: Mean		2.8297794	3.5406623	
2: Sd		0.7580786	0.8004252	
1:		3.4429358		
2:		0.9028162		

t-test mean comparison p-values

	type	V2
1: base vs 5	0.00000	
2: 2 vs 5	0.17419	
3: base vs 2	0.00000	

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

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.576	0.342	1.685	0.094
Age	0.002	0.004	0.547	0.585
GenderMale	0.021	0.142	0.148	0.883
'Prior Spine Surgery'Yes	-0.250	0.128	-1.949	0.053
'ASA classification'	0.012	0.094	0.126	0.900

'BMI_First Visit'	-0.003	0.013	-0.243	0.808
SiteBOR Op	0.109	0.170	0.639	0.523
SiteIST Op	0.261	0.199	1.311	0.191
SiteMAD Op	-0.160	0.180	-0.892	0.373
SiteZUR Op	0.318	0.781	0.407	0.684

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.648	0.414	1.564	0.120
Age	-0.001	0.005	-0.240	0.811
GenderMale	0.062	0.147	0.424	0.672
'Prior Spine Surgery'Yes	-0.317	0.139	-2.277	0.024
'ASA classification'	-0.007	0.096	-0.077	0.939
'BMI_First Visit'	-0.008	0.014	-0.558	0.577
SiteBOR Op	0.163	0.178	0.918	0.360
SiteIST Op	0.266	0.213	1.252	0.212
SiteMAD Op	-0.112	0.187	-0.601	0.548
SiteZUR Op	0.553	0.792	0.698	0.486
'Global Tilt'	0.007	0.004	1.738	0.084
'Static Major curve Cobb angle'	0.001	0.003	0.340	0.734

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.190	0.808	3.949	0.000
Age	-0.002	0.005	-0.487	0.627
GenderMale	0.248	0.147	1.691	0.093
'Prior Spine Surgery'Yes	-0.448	0.138	-3.258	0.001
'ASA classification'	-0.048	0.092	-0.518	0.605
'BMI_First Visit'	-0.028	0.014	-2.053	0.042
SiteBOR Op	0.051	0.174	0.294	0.769
SiteIST Op	0.487	0.214	2.273	0.024
SiteMAD Op	-0.155	0.178	-0.872	0.384
SiteZUR Op	0.921	0.760	1.212	0.227
'Global Tilt'	0.006	0.004	1.407	0.161
'Static Major curve Cobb angle'	0.002	0.003	0.925	0.356
'ODI - Score (%)_First Visit'	-0.004	0.005	-0.791	0.430
'SRS22 - SRS Subtotal score_First Visit'	-0.628	0.152	-4.141	0.000
'SF36 - MCS_First Visit'	0.004	0.006	0.630	0.530
'SF36 - PCS_First Visit'	-0.003	0.010	-0.345	0.730

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.141	1.032	3.044	0.003
Age	-0.005	0.006	-0.832	0.407
GenderMale	0.303	0.189	1.598	0.113
'Prior Spine Surgery'Yes	-0.572	0.174	-3.292	0.001
'ASA classification'	-0.012	0.113	-0.110	0.913
'BMI_First Visit'	-0.030	0.017	-1.724	0.087
SiteBOR Op	0.078	0.219	0.356	0.722
SiteIST Op	0.205	0.357	0.573	0.568
SiteMAD Op	-0.219	0.228	-0.961	0.339
'Global Tilt'	0.003	0.007	0.420	0.675
'Static Major curve Cobb angle'	-0.007	0.004	-1.619	0.108
'ODI - Score (%)_First Visit'	0.002	0.007	0.245	0.807
'SRS22 - SRS Subtotal score_First Visit'	-0.431	0.189	-2.279	0.024
'SF36 - MCS_First Visit'	-0.001	0.008	-0.166	0.868

'SF36 - PCS_First Visit'	-0.008	0.013	-0.625	0.533
'Global Tilt_6w_inc'	-0.008	0.008	-0.961	0.338
'Static Major curve Cobb angle_6w_inc'	-0.014	0.007	-2.096	0.038

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.146	1.029	3.058	0.003
Age	-0.005	0.006	-0.885	0.378
GenderMale	0.271	0.190	1.424	0.157
'Prior Spine Surgery'Yes	-0.561	0.173	-3.237	0.002
'ASA classification'	-0.017	0.112	-0.152	0.879
'BMI_First Visit'	-0.028	0.018	-1.583	0.116
SiteBOR Op	0.107	0.219	0.486	0.628
SiteIST Op	0.211	0.356	0.591	0.556
SiteMAD Op	-0.184	0.229	-0.805	0.423
'Global Tilt'	0.003	0.007	0.417	0.677
'Static Major curve Cobb angle'	-0.008	0.005	-1.839	0.068
'ODI - Score (%)_First Visit'	0.002	0.007	0.285	0.776
'SRS22 - SRS Subtotal score_First Visit'	-0.415	0.189	-2.196	0.030
'SF36 - MCS_First Visit'	-0.002	0.008	-0.291	0.771
'SF36 - PCS_First Visit'	-0.008	0.013	-0.653	0.515
'Global Tilt_6w_inc'	-0.009	0.008	-1.109	0.270
'Static Major curve Cobb angle_6w_inc'	-0.015	0.007	-2.226	0.028
had_major_complicationsYes	-0.228	0.171	-1.331	0.186

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.141	1.032	3.044	0.003
Age	-0.005	0.006	-0.832	0.407
GenderMale	0.303	0.189	1.598	0.113
'Prior Spine Surgery'Yes	-0.572	0.174	-3.292	0.001
'ASA classification'	-0.012	0.113	-0.110	0.913
'BMI_First Visit'	-0.030	0.017	-1.724	0.087
SiteBOR Op	0.078	0.219	0.356	0.722
SiteIST Op	0.205	0.357	0.573	0.568
SiteMAD Op	-0.219	0.228	-0.961	0.339
'Global Tilt'	0.003	0.007	0.420	0.675
'Static Major curve Cobb angle'	-0.007	0.004	-1.619	0.108
'ODI - Score (%)_First Visit'	0.002	0.007	0.245	0.807
'SRS22 - SRS Subtotal score_First Visit'	-0.431	0.189	-2.279	0.024
'SF36 - MCS_First Visit'	-0.001	0.008	-0.166	0.868
'SF36 - PCS_First Visit'	-0.008	0.013	-0.625	0.533
'Global Tilt_6w_inc'	-0.008	0.008	-0.961	0.338
'Static Major curve Cobb angle_6w_inc'	-0.014	0.007	-2.096	0.038

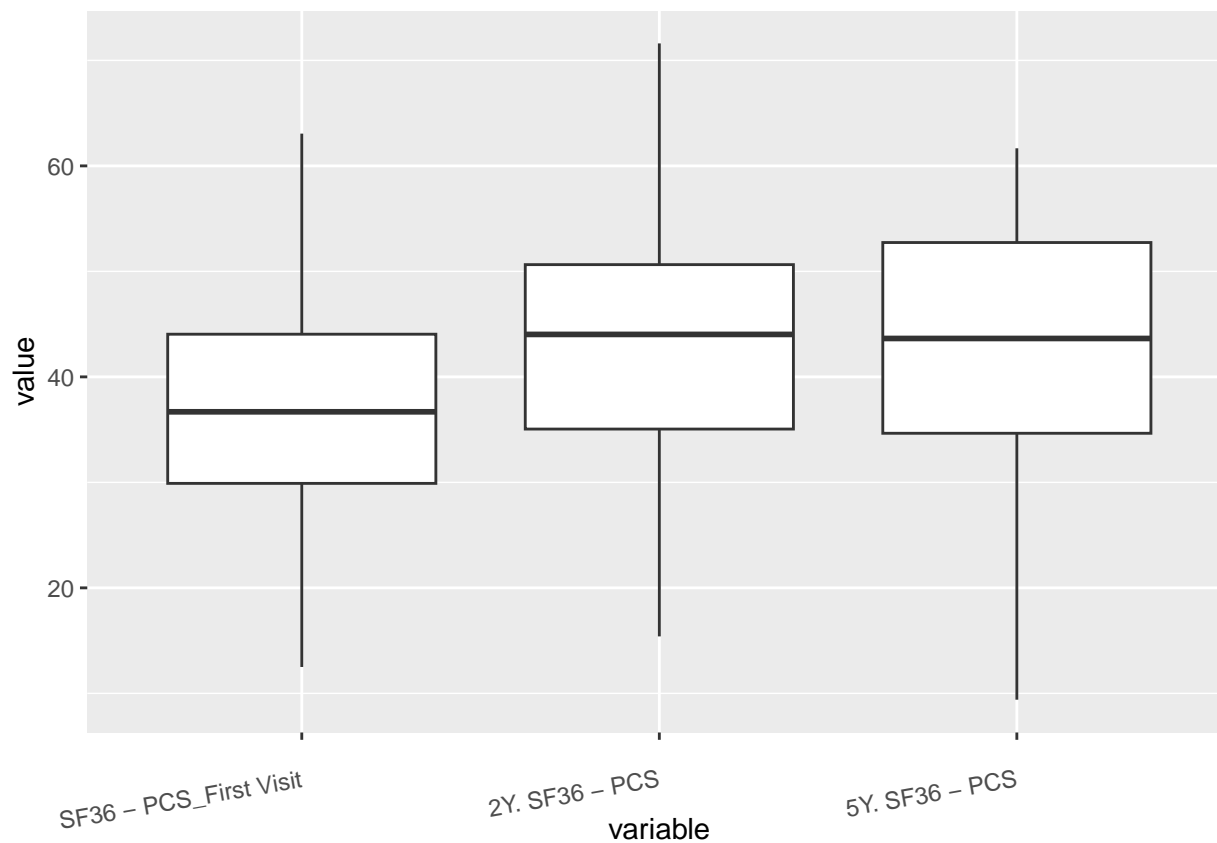
5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4.606	0.230	20.043	0.000
Age	-0.006	0.003	-2.330	0.020
GenderMale	0.086	0.088	0.981	0.327
Prior_Spine_SurgeryYes	-0.311	0.082	-3.796	0.000
ASA_classification	-0.073	0.065	-1.125	0.261
BMI_First_Visit	-0.023	0.008	-2.764	0.006
SiteBOR Op	0.061	0.114	0.534	0.593

SiteIST Op	0.401	0.126	3.172	0.002
SiteMAD Op	0.044	0.127	0.345	0.730
SiteZUR Op	0.777	0.315	2.464	0.014
'5y_vs_2y_effect'	0.489	0.395	1.238	0.216
Age:'5y_vs_2y_effect'	0.001	0.005	0.150	0.881
GenderMale:'5y_vs_2y_effect'	0.207	0.161	1.286	0.199
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	-0.346	0.146	-2.365	0.018
ASA_classification:'5y_vs_2y_effect'	0.039	0.110	0.355	0.723
BMI_First_Visit:'5y_vs_2y_effect'	-0.021	0.015	-1.368	0.172
SiteBOR Op:'5y_vs_2y_effect'	-0.172	0.195	-0.882	0.378
SiteIST Op:'5y_vs_2y_effect'	0.044	0.224	0.195	0.845
SiteMAD Op:'5y_vs_2y_effect'	-0.222	0.209	-1.063	0.288
SiteZUR Op:'5y_vs_2y_effect'	0.537	0.812	0.661	0.509

	Estimate	Std. Error	t value
(Intercept)	4.736	0.233	20.311
Age	-0.006	0.003	-2.440
GenderMale	0.171	0.076	2.262
Prior_Spine_SurgeryYes	-0.404	0.073	-5.545
ASA_classification	-0.073	0.053	-1.365
BMI_First_Visit	-0.031	0.007	-4.289
SiteBOR Op	0.017	0.095	0.181
SiteIST Op	0.394	0.111	3.560
SiteMAD Op	-0.051	0.104	-0.490
SiteZUR Op	0.930	0.313	2.976
Global_Tilt	0.003	0.002	1.067
Static_Major_curve_Cobb_angle	0.001	0.002	0.499
'5y_vs_2y_effect'	-0.284	0.186	-1.525
Global_Tilt:'5y_vs_2y_effect'	-0.003	0.003	-0.913
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.005	0.003	1.943

	Pr(> t)
(Intercept)	0.000
Age	0.015
GenderMale	0.024
Prior_Spine_SurgeryYes	0.000
ASA_classification	0.173
BMI_First_Visit	0.000
SiteBOR Op	0.857
SiteIST Op	0.000
SiteMAD Op	0.624
SiteZUR Op	0.003
Global_Tilt	0.286
Static_Major_curve_Cobb_angle	0.618
'5y_vs_2y_effect'	0.128
Global_Tilt:'5y_vs_2y_effect'	0.362
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.052



Basic stats

	type	SF36 - PCS_First Visit	2Y. SF36 - PCS	5Y. SF36 - PCS
1:	Mean	37.057761	42.71940	42.38076
2:	Sd	9.877397	10.49415	11.46417

t-test mean comparison p-values

	type	V2
1:	base vs 5	0.00000
2:	2 vs 5	0.73822
3:	base vs 2	0.00000

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

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	7.304	5.317	1.374	0.172
Age	0.015	0.063	0.240	0.811
GenderMale	2.071	2.326	0.890	0.375
'Prior Spine Surgery'Yes	-5.434	1.977	-2.749	0.007
'ASA classification'	0.712	1.496	0.476	0.635
'BMI_First Visit'	-0.106	0.213	-0.495	0.621
SiteBOR Op	-0.412	2.692	-0.153	0.879
SiteIST Op	1.073	3.034	0.354	0.724

SiteMAD Op	-4.464	2.823	-1.581	0.116
SiteZUR Op	17.346	10.596	1.637	0.104

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	5.208	6.544	0.796	0.427
Age	0.020	0.078	0.257	0.798
GenderMale	2.902	2.445	1.187	0.237
'Prior Spine Surgery'Yes	-5.061	2.143	-2.361	0.020
'ASA classification'	0.416	1.523	0.273	0.785
'BMI_First Visit'	-0.109	0.219	-0.498	0.619
SiteBOR Op	0.454	2.906	0.156	0.876
SiteIST Op	0.476	3.308	0.144	0.886
SiteMAD Op	-3.979	3.024	-1.316	0.190
SiteZUR Op	19.024	10.863	1.751	0.082
'Global Tilt'	-0.006	0.067	-0.085	0.932
'Static Major curve Cobb angle'	0.036	0.045	0.803	0.424

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	41.970	11.659	3.600	0.000
Age	-0.076	0.070	-1.093	0.276
GenderMale	5.904	2.170	2.721	0.007
'Prior Spine Surgery'Yes	-4.621	1.956	-2.363	0.020
'ASA classification'	-0.207	1.333	-0.156	0.877
'BMI_First Visit'	-0.379	0.196	-1.936	0.055
SiteBOR Op	2.887	2.557	1.129	0.261
SiteIST Op	3.887	2.956	1.315	0.191
SiteMAD Op	-3.501	2.619	-1.337	0.183
SiteZUR Op	12.858	9.733	1.321	0.189
'Global Tilt'	0.029	0.059	0.488	0.626
'Static Major curve Cobb angle'	0.003	0.039	0.088	0.930
'ODI - Score (%)_First Visit'	-0.044	0.078	-0.563	0.574
'SRS22 - SRS Subtotal score_First Visit'	2.545	2.420	1.052	0.295
'SF36 - MCS_First Visit'	-0.024	0.092	-0.257	0.798
'SF36 - PCS_First Visit'	-0.788	0.141	-5.579	0.000

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	40.149	15.584	2.576	0.012
Age	-0.136	0.093	-1.467	0.146
GenderMale	8.287	2.926	2.832	0.006
'Prior Spine Surgery'Yes	-5.448	2.592	-2.102	0.039
'ASA classification'	0.960	1.680	0.571	0.569
'BMI_First Visit'	-0.581	0.259	-2.239	0.028
SiteBOR Op	4.336	3.314	1.308	0.194
SiteIST Op	-0.733	5.034	-0.146	0.885
SiteMAD Op	-7.076	3.729	-1.898	0.061
'Global Tilt'	0.105	0.106	0.994	0.323
'Static Major curve Cobb angle'	-0.071	0.080	-0.886	0.378
'ODI - Score (%)_First Visit'	0.035	0.110	0.321	0.749
'SRS22 - SRS Subtotal score_First Visit'	4.422	3.157	1.401	0.165
'SF36 - MCS_First Visit'	-0.055	0.118	-0.467	0.642
'SF36 - PCS_First Visit'	-0.847	0.187	-4.517	0.000
'Global Tilt_6w_inc'	0.037	0.122	0.304	0.762
'Static Major curve Cobb angle_6w_inc'	-0.175	0.108	-1.615	0.110

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	39.622	15.416	2.570	0.012
Age	-0.131	0.092	-1.430	0.156
GenderMale	7.669	2.917	2.629	0.010
'Prior Spine Surgery'Yes	-5.289	2.565	-2.062	0.042
'ASA classification'	0.583	1.677	0.347	0.729
'BMI_First Visit'	-0.552	0.257	-2.145	0.035
SiteBOR Op	4.886	3.294	1.483	0.142
SiteIST Op	-0.355	4.983	-0.071	0.943
SiteMAD Op	-6.908	3.689	-1.872	0.065
'Global Tilt'	0.099	0.104	0.944	0.348
'Static Major curve Cobb angle'	-0.080	0.079	-1.016	0.313
'ODI - Score (%)_First Visit'	0.051	0.109	0.467	0.642
'SRS22 - SRS Subtotal score_First Visit'	4.354	3.122	1.394	0.167
'SF36 - MCS_First Visit'	-0.057	0.117	-0.484	0.629
'SF36 - PCS_First Visit'	-0.833	0.186	-4.489	0.000
'Global Tilt_6w_inc'	0.025	0.121	0.206	0.837
'Static Major curve Cobb angle_6w_inc'	-0.184	0.107	-1.714	0.090
had_major_complicationsYes	-4.163	2.465	-1.689	0.095

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	40.149	15.584	2.576	0.012
Age	-0.136	0.093	-1.467	0.146
GenderMale	8.287	2.926	2.832	0.006
'Prior Spine Surgery'Yes	-5.448	2.592	-2.102	0.039
'ASA classification'	0.960	1.680	0.571	0.569
'BMI_First Visit'	-0.581	0.259	-2.239	0.028
SiteBOR Op	4.336	3.314	1.308	0.194
SiteIST Op	-0.733	5.034	-0.146	0.885
SiteMAD Op	-7.076	3.729	-1.898	0.061
'Global Tilt'	0.105	0.106	0.994	0.323
'Static Major curve Cobb angle'	-0.071	0.080	-0.886	0.378
'ODI - Score (%)_First Visit'	0.035	0.110	0.321	0.749
'SRS22 - SRS Subtotal score_First Visit'	4.422	3.157	1.401	0.165
'SF36 - MCS_First Visit'	-0.055	0.118	-0.467	0.642
'SF36 - PCS_First Visit'	-0.847	0.187	-4.517	0.000
'Global Tilt_6w_inc'	0.037	0.122	0.304	0.762
'Static Major curve Cobb angle_6w_inc'	-0.175	0.108	-1.615	0.110

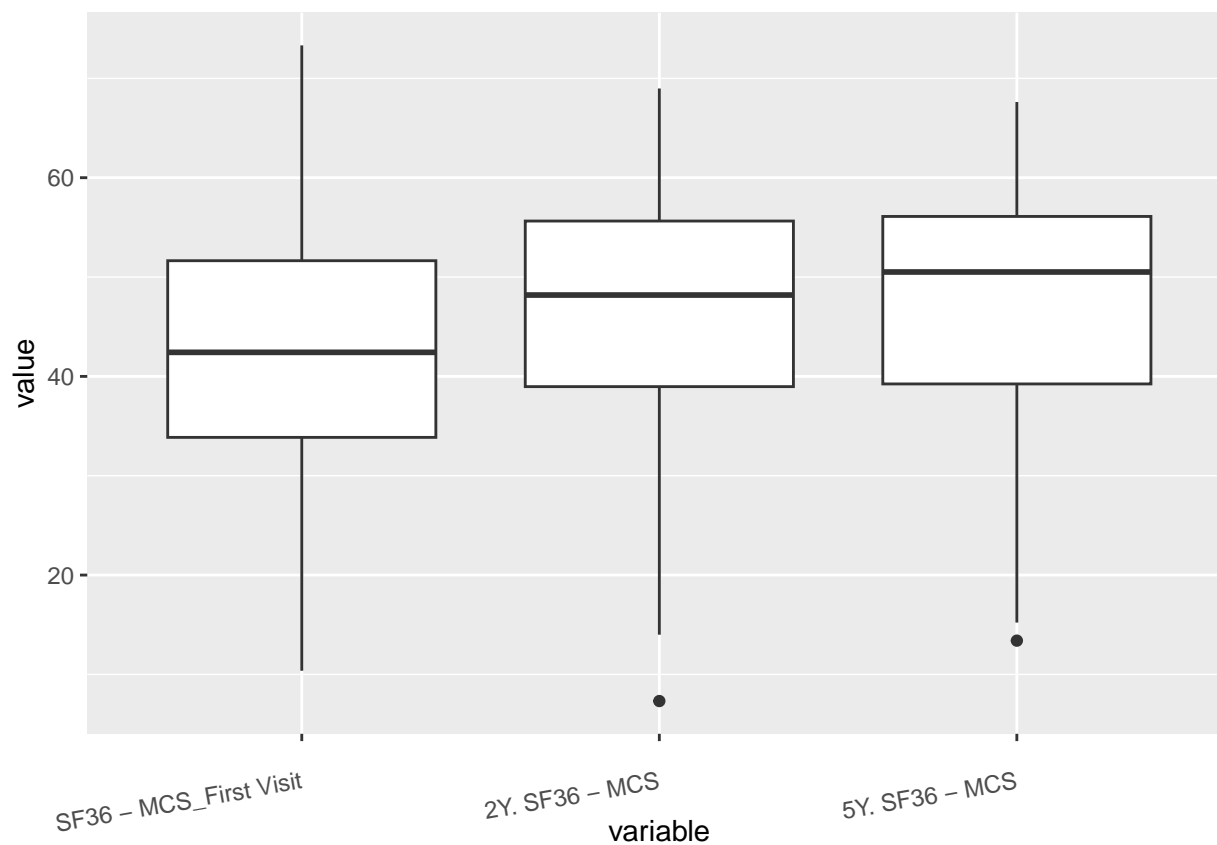
5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	61.390	2.948	20.828	0.000
Age	-0.162	0.034	-4.768	0.000
GenderMale	0.590	1.129	0.523	0.601
Prior_Spine_SurgeryYes	-3.687	1.051	-3.509	0.000
ASA_classification	-0.916	0.832	-1.102	0.271
BMI_First_Visit	-0.384	0.108	-3.576	0.000
SiteBOR Op	5.271	1.472	3.582	0.000
SiteIST Op	5.060	1.633	3.098	0.002
SiteMAD Op	-0.284	1.633	-0.174	0.862
SiteZUR Op	5.978	4.748	1.259	0.208
'5y_vs_2y_effect'	4.504	5.438	0.828	0.408

Age: '5y_vs_2y_effect'	-0.009	0.064	-0.147	0.883
GenderMale: '5y_vs_2y_effect'	5.562	2.254	2.467	0.014
Prior_Spine_SurgeryYes: '5y_vs_2y_effect'	-2.220	2.027	-1.095	0.274
ASA_classification: '5y_vs_2y_effect'	1.000	1.547	0.647	0.518
BMI_First_Visit: '5y_vs_2y_effect'	-0.194	0.216	-0.899	0.369
SiteBOR Op: '5y_vs_2y_effect'	-2.600	2.779	-0.936	0.350
SiteIST Op: '5y_vs_2y_effect'	-0.064	3.022	-0.021	0.983
SiteMAD Op: '5y_vs_2y_effect'	-1.914	2.945	-0.650	0.516
SiteZUR Op: '5y_vs_2y_effect'	6.914	10.633	0.650	0.516

	Estimate	Std. Error	t value
(Intercept)	63.279	3.030	20.884
Age	-0.144	0.034	-4.246
GenderMale	2.143	1.009	2.125
Prior_Spine_SurgeryYes	-4.308	0.956	-4.507
ASA_classification	-0.831	0.709	-1.172
BMI_First_Visit	-0.454	0.094	-4.804
SiteBOR Op	4.631	1.286	3.601
SiteIST Op	4.512	1.452	3.107
SiteMAD Op	-0.961	1.395	-0.689
SiteZUR Op	9.834	4.744	2.073
Global_Tilt	-0.025	0.031	-0.795
Static_Major_curve_Cobb_angle	-0.007	0.021	-0.339
'5y_vs_2y_effect'	-2.227	2.577	-0.864
Global_Tilt: '5y_vs_2y_effect'	-0.020	0.049	-0.411
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'	0.045	0.038	1.165

	Pr(> t)
(Intercept)	0.000
Age	0.000
GenderMale	0.034
Prior_Spine_SurgeryYes	0.000
ASA_classification	0.242
BMI_First_Visit	0.000
SiteBOR Op	0.000
SiteIST Op	0.002
SiteMAD Op	0.491
SiteZUR Op	0.039
Global_Tilt	0.427
Static_Major_curve_Cobb_angle	0.735
'5y_vs_2y_effect'	0.388
Global_Tilt: '5y_vs_2y_effect'	0.681
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'	0.245



Basic stats

	type	SF36 - MCS_First Visit	2Y. SF36 - MCS	5Y. SF36 - MCS
1:	Mean	42.24614	46.73399	47.15018
2:	Sd	12.13481	11.20380	11.80132

t-test mean comparison p-values

	type	V2
1:	base vs 5	0.00000
2:	2 vs 5	0.69272
3:	base vs 2	0.00000

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

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.623	6.699	0.541	0.590
Age	-0.072	0.079	-0.903	0.368
GenderMale	3.445	2.931	1.175	0.242
'Prior Spine Surgery'Yes	2.759	2.491	1.107	0.270
'ASA classification'	-2.237	1.885	-1.187	0.237
'BMI_First Visit'	0.291	0.269	1.082	0.281
SiteBOR Op	2.684	3.392	0.791	0.430
SiteIST Op	6.307	3.824	1.650	0.101

SiteMAD Op	-1.317	3.557	-0.370	0.712
SiteZUR Op	-13.955	13.351	-1.045	0.298

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	5.692	8.323	0.684	0.495
Age	-0.021	0.099	-0.215	0.830
GenderMale	2.382	3.109	0.766	0.445
'Prior Spine Surgery'Yes	2.759	2.726	1.012	0.313
'ASA classification'	-2.040	1.936	-1.054	0.294
'BMI_First Visit'	0.269	0.278	0.965	0.336
SiteBOR Op	1.544	3.695	0.418	0.677
SiteIST Op	5.278	4.208	1.254	0.212
SiteMAD Op	-2.378	3.846	-0.618	0.537
SiteZUR Op	-16.986	13.815	-1.230	0.221
'Global Tilt'	-0.095	0.085	-1.117	0.266
'Static Major curve Cobb angle'	-0.030	0.057	-0.530	0.597

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.109	13.986	2.653	0.009
Age	-0.050	0.084	-0.597	0.551
GenderMale	5.859	2.603	2.251	0.026
'Prior Spine Surgery'Yes	-1.519	2.346	-0.647	0.519
'ASA classification'	-2.326	1.598	-1.455	0.148
'BMI_First Visit'	0.059	0.235	0.251	0.802
SiteBOR Op	-1.654	3.067	-0.539	0.590
SiteIST Op	0.623	3.546	0.176	0.861
SiteMAD Op	-4.137	3.141	-1.317	0.190
SiteZUR Op	7.959	11.676	0.682	0.497
'Global Tilt'	0.009	0.071	0.121	0.904
'Static Major curve Cobb angle'	0.017	0.047	0.370	0.712
'ODI - Score (%)_First Visit'	0.026	0.093	0.282	0.778
'SRS22 - SRS Subtotal score_First Visit'	5.648	2.902	1.946	0.054
'SF36 - MCS_First Visit'	-0.831	0.110	-7.545	0.000
'SF36 - PCS_First Visit'	-0.216	0.169	-1.278	0.203

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.750	18.202	2.074	0.041
Age	-0.066	0.108	-0.607	0.546
GenderMale	7.693	3.417	2.251	0.027
'Prior Spine Surgery'Yes	-6.426	3.027	-2.123	0.037
'ASA classification'	-2.351	1.963	-1.198	0.234
'BMI_First Visit'	-0.024	0.303	-0.079	0.937
SiteBOR Op	-2.501	3.871	-0.646	0.520
SiteIST Op	-3.743	5.879	-0.637	0.526
SiteMAD Op	-3.174	4.355	-0.729	0.468
'Global Tilt'	-0.093	0.123	-0.750	0.455
'Static Major curve Cobb angle'	-0.189	0.093	-2.035	0.045
'ODI - Score (%)_First Visit'	0.171	0.128	1.332	0.187
'SRS22 - SRS Subtotal score_First Visit'	8.933	3.687	2.423	0.018
'SF36 - MCS_First Visit'	-0.905	0.138	-6.562	0.000
'SF36 - PCS_First Visit'	-0.259	0.219	-1.181	0.241
'Global Tilt_6w_inc'	-0.170	0.143	-1.192	0.236
'Static Major curve Cobb angle_6w_inc'	-0.252	0.127	-1.990	0.050

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.731	18.316	2.060	0.043
Age	-0.066	0.109	-0.601	0.549
GenderMale	7.671	3.465	2.214	0.030
'Prior Spine Surgery'Yes	-6.421	3.047	-2.107	0.038
'ASA classification'	-2.365	1.992	-1.187	0.239
'BMI_First Visit'	-0.023	0.306	-0.075	0.940
SiteBOR Op	-2.481	3.914	-0.634	0.528
SiteIST Op	-3.730	5.921	-0.630	0.530
SiteMAD Op	-3.168	4.383	-0.723	0.472
'Global Tilt'	-0.093	0.124	-0.747	0.457
'Static Major curve Cobb angle'	-0.190	0.094	-2.021	0.047
'ODI - Score (%)_First Visit'	0.171	0.130	1.323	0.189
'SRS22 - SRS Subtotal score_First Visit'	8.931	3.710	2.407	0.018
'SF36 - MCS_First Visit'	-0.905	0.139	-6.523	0.000
'SF36 - PCS_First Visit'	-0.258	0.221	-1.170	0.245
'Global Tilt_6w_inc'	-0.171	0.144	-1.186	0.239
'Static Major curve Cobb angle_6w_inc'	-0.252	0.127	-1.979	0.051
had_major_complicationsYes	-0.148	2.929	-0.051	0.960

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	37.750	18.202	2.074	0.041
Age	-0.066	0.108	-0.607	0.546
GenderMale	7.693	3.417	2.251	0.027
'Prior Spine Surgery'Yes	-6.426	3.027	-2.123	0.037
'ASA classification'	-2.351	1.963	-1.198	0.234
'BMI_First Visit'	-0.024	0.303	-0.079	0.937
SiteBOR Op	-2.501	3.871	-0.646	0.520
SiteIST Op	-3.743	5.879	-0.637	0.526
SiteMAD Op	-3.174	4.355	-0.729	0.468
'Global Tilt'	-0.093	0.123	-0.750	0.455
'Static Major curve Cobb angle'	-0.189	0.093	-2.035	0.045
'ODI - Score (%)_First Visit'	0.171	0.128	1.332	0.187
'SRS22 - SRS Subtotal score_First Visit'	8.933	3.687	2.423	0.018
'SF36 - MCS_First Visit'	-0.905	0.138	-6.562	0.000
'SF36 - PCS_First Visit'	-0.259	0.219	-1.181	0.241
'Global Tilt_6w_inc'	-0.170	0.143	-1.192	0.236
'Static Major curve Cobb angle_6w_inc'	-0.252	0.127	-1.990	0.050

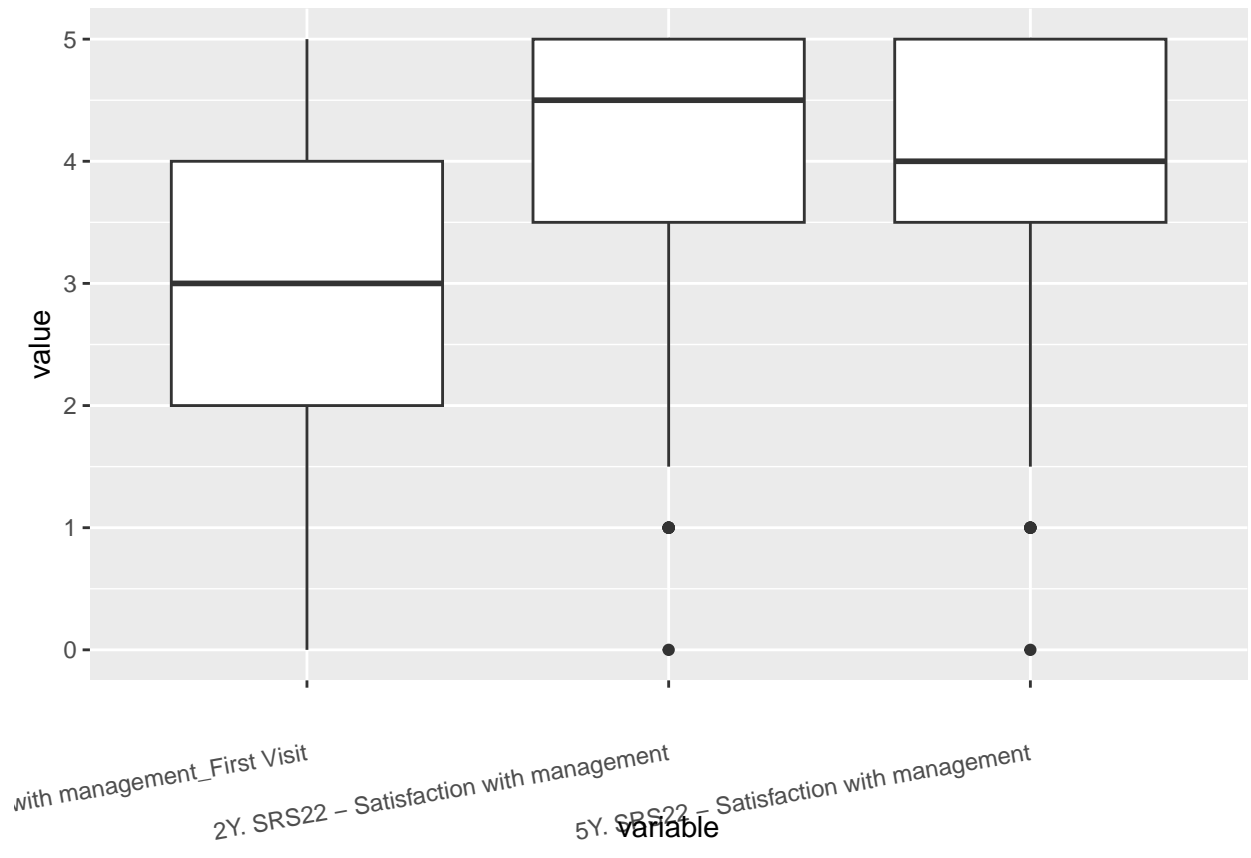
5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	52.191	3.500	14.910	0.000
Age	-0.054	0.040	-1.330	0.184
GenderMale	0.071	1.345	0.053	0.958
Prior_Spine_SurgeryYes	-2.736	1.248	-2.193	0.029
ASA_classification	0.914	0.988	0.926	0.355
BMI_First_Visit	-0.070	0.128	-0.546	0.586
SiteBOR Op	-2.262	1.747	-1.295	0.196
SiteIST Op	-1.813	1.942	-0.934	0.351
SiteMAD Op	0.933	1.938	0.481	0.630
SiteZUR Op	14.361	5.636	2.548	0.011
'5y_vs_2y_effect'	6.151	6.457	0.953	0.341

Age: '5y_vs_2y_effect'	-0.036	0.076	-0.469	0.639
GenderMale: '5y_vs_2y_effect'	4.443	2.678	1.659	0.098
Prior_Spine_SurgeryYes: '5y_vs_2y_effect'	-1.789	2.407	-0.743	0.458
ASA_classification: '5y_vs_2y_effect'	-2.824	1.837	-1.538	0.125
BMI_First_Visit: '5y_vs_2y_effect'	0.107	0.256	0.418	0.676
SiteBOR Op: '5y_vs_2y_effect'	-1.939	3.298	-0.588	0.557
SiteIST Op: '5y_vs_2y_effect'	0.325	3.590	0.091	0.928
SiteMAD Op: '5y_vs_2y_effect'	-4.927	3.496	-1.409	0.159
SiteZUR Op: '5y_vs_2y_effect'	4.676	12.623	0.370	0.711

	Estimate	Std. Error	t value
(Intercept)	51.734	3.611	14.327
Age	-0.073	0.040	-1.813
GenderMale	1.405	1.204	1.166
Prior_Spine_SurgeryYes	-3.260	1.138	-2.866
ASA_classification	-0.209	0.844	-0.247
BMI_First_Visit	-0.075	0.112	-0.667
SiteBOR Op	-2.725	1.531	-1.780
SiteIST Op	-1.612	1.731	-0.931
SiteMAD Op	-1.062	1.661	-0.640
SiteZUR Op	13.043	5.646	2.310
Global_Tilt	0.087	0.037	2.334
Static_Major_curve_Cobb_angle	0.042	0.026	1.653
'5y_vs_2y_effect'	2.402	3.067	0.783
Global_Tilt: '5y_vs_2y_effect'	-0.116	0.059	-1.981
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'	0.008	0.046	0.166

	Pr(> t)
(Intercept)	0.000
Age	0.070
GenderMale	0.244
Prior_Spine_SurgeryYes	0.004
ASA_classification	0.805
BMI_First_Visit	0.505
SiteBOR Op	0.076
SiteIST Op	0.352
SiteMAD Op	0.523
SiteZUR Op	0.021
Global_Tilt	0.020
Static_Major_curve_Cobb_angle	0.099
'5y_vs_2y_effect'	0.434
Global_Tilt: '5y_vs_2y_effect'	0.048
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'	0.868



Basic stats

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type SRS22 - Satisfaction with management_First Visit
1: Mean                2.929012
2:   Sd                 1.102863
2Y. SRS22 - Satisfaction with management
1:                    4.1369710
2:                    0.9482435
5Y. SRS22 - Satisfaction with management
1:                    3.941860
2:                    1.073302

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t-test mean comparison p-values

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type      V2
1: base vs 5 0.00000
2:   2 vs 5 0.02351
3: base vs 2 0.00000

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

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.720	0.932	0.773	0.442
Age	0.002	0.011	0.154	0.878

GenderMale	-0.485	0.473	-1.027	0.309
'Prior Spine Surgery'Yes	0.290	0.436	0.664	0.509
'ASA classification'	-0.085	0.290	-0.294	0.770
'BMI_First Visit'	-0.006	0.036	-0.175	0.862
SiteBOR Op	0.719	0.478	1.503	0.138
SiteIST Op	1.343	0.560	2.397	0.020
SiteMAD Op	0.219	0.430	0.510	0.612
SiteZUR Op	1.290	1.385	0.932	0.355

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.848	1.189	0.713	0.479
Age	0.001	0.012	0.104	0.918
GenderMale	-0.348	0.499	-0.697	0.488
'Prior Spine Surgery'Yes	0.237	0.499	0.474	0.637
'ASA classification'	-0.135	0.301	-0.447	0.656
'BMI_First Visit'	-0.017	0.038	-0.455	0.651
SiteBOR Op	0.734	0.493	1.489	0.142
SiteIST Op	1.202	0.619	1.940	0.057
SiteMAD Op	0.228	0.441	0.517	0.607
SiteZUR Op	1.546	1.471	1.051	0.298
'Global Tilt'	0.004	0.012	0.306	0.761
'Static Major curve Cobb angle'	0.003	0.008	0.354	0.724

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	2.594	2.861	0.907	0.369
Age	0.005	0.015	0.338	0.737
GenderMale	-0.306	0.554	-0.553	0.583
'Prior Spine Surgery'Yes	0.248	0.545	0.454	0.652
'ASA classification'	-0.020	0.336	-0.058	0.954
'BMI_First Visit'	-0.005	0.044	-0.112	0.911
SiteBOR Op	0.782	0.564	1.387	0.172
SiteIST Op	1.553	0.752	2.065	0.044
SiteMAD Op	0.102	0.479	0.213	0.832
SiteZUR Op	1.081	1.643	0.658	0.514
'Global Tilt'	0.008	0.013	0.633	0.530
'Static Major curve Cobb angle'	0.005	0.009	0.571	0.571
'ODI - Score (%)_First Visit'	-0.028	0.021	-1.377	0.175
'SRS22 - SRS Subtotal score_First Visit'	-0.254	0.514	-0.494	0.623
'SF36 - MCS_First Visit'	0.003	0.020	0.157	0.876
'SF36 - PCS_First Visit'	-0.030	0.035	-0.859	0.394

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.707	4.872	0.145	0.886
Age	0.015	0.024	0.651	0.520
GenderMale	-0.279	0.828	-0.337	0.738
'Prior Spine Surgery'Yes	0.642	0.891	0.721	0.477
'ASA classification'	-0.183	0.492	-0.371	0.713
'BMI_First Visit'	0.013	0.073	0.179	0.859
SiteBOR Op	0.608	0.822	0.740	0.465
SiteIST Op	2.283	2.075	1.100	0.281
SiteMAD Op	0.071	0.675	0.106	0.917
'Global Tilt'	-0.015	0.034	-0.435	0.667
'Static Major curve Cobb angle'	0.005	0.018	0.283	0.780

'ODI - Score (%)_First Visit'	-0.025	0.036	-0.685	0.499
'SRS22 - SRS Subtotal score_First Visit'	-0.155	0.822	-0.188	0.852
'SF36 - MCS_First Visit'	0.012	0.030	0.390	0.699
'SF36 - PCS_First Visit'	-0.015	0.058	-0.255	0.801
'Global Tilt_6w_inc'	-0.028	0.034	-0.846	0.405
'Static Major curve Cobb angle_6w_inc'	-0.007	0.032	-0.215	0.831

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	1.186	5.008	0.237	0.815
Age	0.013	0.024	0.553	0.585
GenderMale	-0.368	0.853	-0.431	0.670
'Prior Spine Surgery'Yes	0.694	0.907	0.765	0.451
'ASA classification'	-0.164	0.499	-0.329	0.745
'BMI_First Visit'	0.012	0.074	0.156	0.877
SiteBOR Op	0.608	0.832	0.731	0.471
SiteIST Op	2.178	2.110	1.032	0.311
SiteMAD Op	0.145	0.696	0.208	0.836
'Global Tilt'	-0.013	0.034	-0.378	0.709
'Static Major curve Cobb angle'	0.002	0.019	0.114	0.910
'ODI - Score (%)_First Visit'	-0.026	0.037	-0.707	0.486
'SRS22 - SRS Subtotal score_First Visit'	-0.167	0.833	-0.201	0.843
'SF36 - MCS_First Visit'	0.008	0.031	0.265	0.793
'SF36 - PCS_First Visit'	-0.017	0.059	-0.293	0.771
'Global Tilt_6w_inc'	-0.029	0.034	-0.857	0.399
'Static Major curve Cobb angle_6w_inc'	-0.010	0.033	-0.308	0.760
had_major_complicationsYes	-0.512	0.922	-0.556	0.583

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.707	4.872	0.145	0.886
Age	0.015	0.024	0.651	0.520
GenderMale	-0.279	0.828	-0.337	0.738
'Prior Spine Surgery'Yes	0.642	0.891	0.721	0.477
'ASA classification'	-0.183	0.492	-0.371	0.713
'BMI_First Visit'	0.013	0.073	0.179	0.859
SiteBOR Op	0.608	0.822	0.740	0.465
SiteIST Op	2.283	2.075	1.100	0.281
SiteMAD Op	0.071	0.675	0.106	0.917
'Global Tilt'	-0.015	0.034	-0.435	0.667
'Static Major curve Cobb angle'	0.005	0.018	0.283	0.780
'ODI - Score (%)_First Visit'	-0.025	0.036	-0.685	0.499
'SRS22 - SRS Subtotal score_First Visit'	-0.155	0.822	-0.188	0.852
'SF36 - MCS_First Visit'	0.012	0.030	0.390	0.699
'SF36 - PCS_First Visit'	-0.015	0.058	-0.255	0.801
'Global Tilt_6w_inc'	-0.028	0.034	-0.846	0.405
'Static Major curve Cobb angle_6w_inc'	-0.007	0.032	-0.215	0.831

5Y vs 2Y Effects

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4.712	0.301	15.657	0.000
Age	-0.004	0.003	-1.085	0.278
GenderMale	0.023	0.114	0.198	0.843
Prior_Spine_SurgeryYes	-0.183	0.107	-1.722	0.086

ASA_classification	-0.056	0.085	-0.663	0.508
BMI_First_Visit	-0.015	0.011	-1.321	0.187
SiteBOR Op	0.181	0.148	1.217	0.224
SiteIST Op	0.444	0.166	2.678	0.008
SiteMAD Op	0.042	0.166	0.255	0.799
SiteZUR Op	0.791	0.409	1.934	0.054
'5y_vs_2y_effect'	0.377	0.517	0.729	0.466
Age:'5y_vs_2y_effect'	0.000	0.006	-0.033	0.974
GenderMale:'5y_vs_2y_effect'	0.280	0.209	1.340	0.181
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'	-0.064	0.191	-0.334	0.739
ASA_classification:'5y_vs_2y_effect'	-0.013	0.144	-0.091	0.928
BMI_First_Visit:'5y_vs_2y_effect'	-0.020	0.020	-1.014	0.311
SiteBOR Op:'5y_vs_2y_effect'	-0.198	0.256	-0.776	0.438
SiteIST Op:'5y_vs_2y_effect'	0.296	0.294	1.007	0.314
SiteMAD Op:'5y_vs_2y_effect'	-0.107	0.274	-0.390	0.697
SiteZUR Op:'5y_vs_2y_effect'	0.803	1.054	0.762	0.447

	Estimate	Std. Error	t value
(Intercept)	4.733	0.306	15.457
Age	-0.004	0.003	-1.197
GenderMale	0.116	0.099	1.176
Prior_Spine_SurgeryYes	-0.177	0.095	-1.851
ASA_classification	-0.063	0.070	-0.896
BMI_First_Visit	-0.022	0.009	-2.342
SiteBOR Op	0.142	0.125	1.135
SiteIST Op	0.545	0.146	3.740
SiteMAD Op	0.007	0.136	0.052
SiteZUR Op	0.840	0.408	2.061
Global_Tilt	0.004	0.003	1.137
Static_Major_curve_Cobb_angle	0.002	0.002	0.776
'5y_vs_2y_effect'	-0.265	0.245	-1.079
Global_Tilt:'5y_vs_2y_effect'	-0.005	0.005	-1.029
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.004	0.004	1.064

	Pr(> t)
(Intercept)	0.000
Age	0.232
GenderMale	0.240
Prior_Spine_SurgeryYes	0.065
ASA_classification	0.371
BMI_First_Visit	0.020
SiteBOR Op	0.257
SiteIST Op	0.000
SiteMAD Op	0.958
SiteZUR Op	0.040
Global_Tilt	0.256
Static_Major_curve_Cobb_angle	0.438
'5y_vs_2y_effect'	0.281
Global_Tilt:'5y_vs_2y_effect'	0.304
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.288