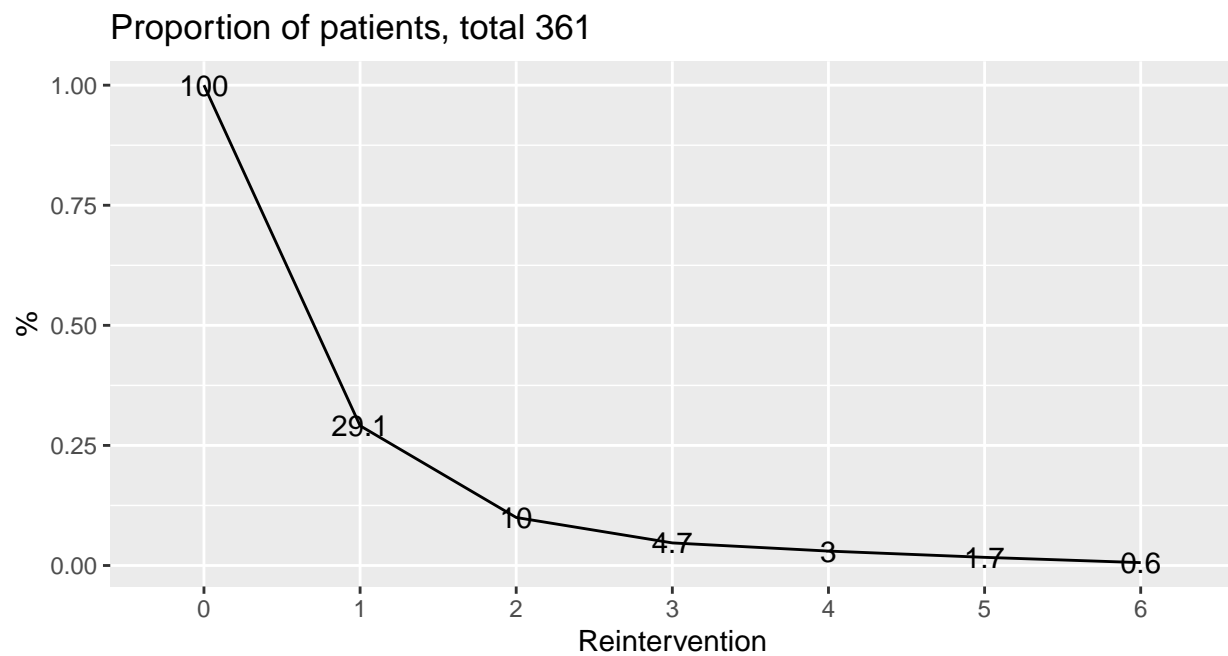


Reinterventions exploration

Proportion of reinterventions

##	reintervention	N	proportion
## 1:	0	361	1.000
## 2:	1	105	0.291
## 3:	2	36	0.100
## 4:	3	17	0.047
## 5:	4	11	0.030
## 6:	5	6	0.017
## 7:	6	2	0.006



Patients with 2y FU, reinterventions

Notes: - reintervention means that at least has that number of reinterventions

all reinterventions

##	reintervention	N	prop
## 1:	0	316	65.7
## 2:	1	96	20.0
## 3:	2	33	6.9

## 4:	3	17	3.5
## 5:	4	11	2.3
## 6:	5	6	1.2
## 7:	6	2	0.4

reinterventions before 2Y

##	reintervention	N	prop
## 1:	0	316	78.6
## 2:	1	61	15.2
## 3:	2	16	4.0
## 4:	3	7	1.7
## 5:	4	2	0.5

reinterventions before 5Y

##	reintervention	N	prop
## 1:	0	316	69.3
## 2:	1	86	18.9
## 3:	2	30	6.6
## 4:	3	14	3.1
## 5:	4	6	1.3
## 6:	5	3	0.7
## 7:	6	1	0.2

Patients with 5y FU, reinterventions

all reinterventions

##	reintervention	N	prop
## 1:	0	258	64.7
## 2:	1	83	20.8
## 3:	2	28	7.0
## 4:	3	13	3.3
## 5:	4	10	2.5
## 6:	5	5	1.3
## 7:	6	2	0.5

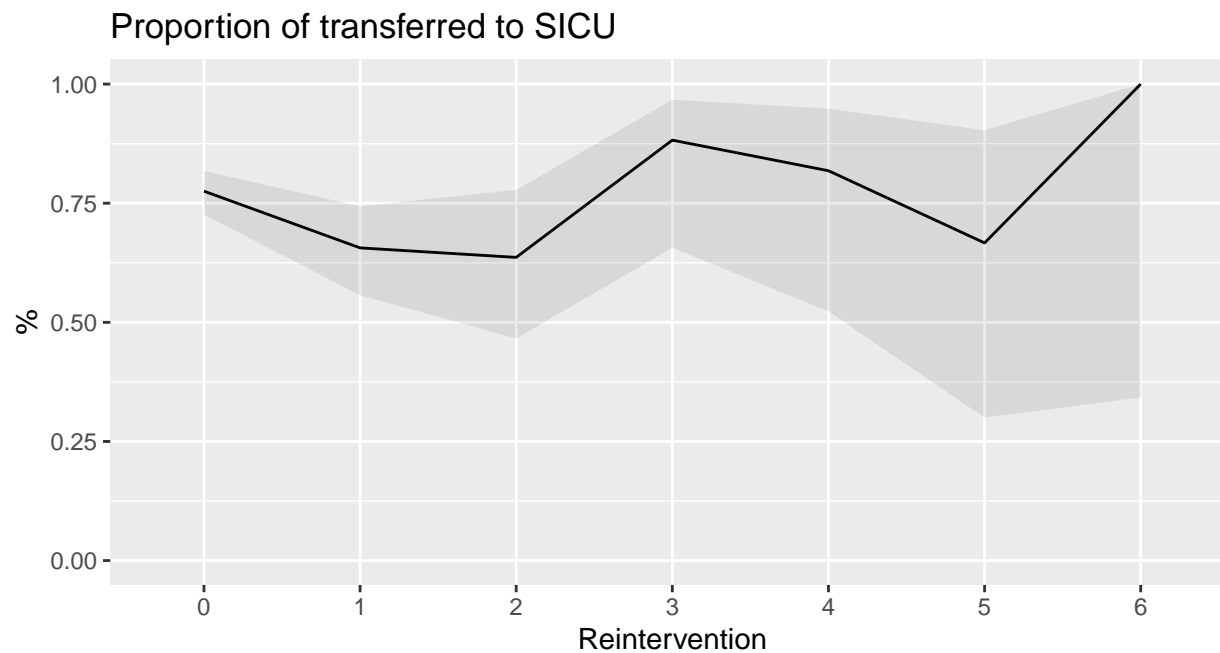
reinterventions before 5y

##	reintervention	N	prop
## 1:	0	258	68.8
## 2:	1	73	19.5
## 3:	2	26	6.9
## 4:	3	10	2.7
## 5:	4	5	1.3
## 6:	5	2	0.5
## 7:	6	1	0.3

The analysis follows with 2Y FU

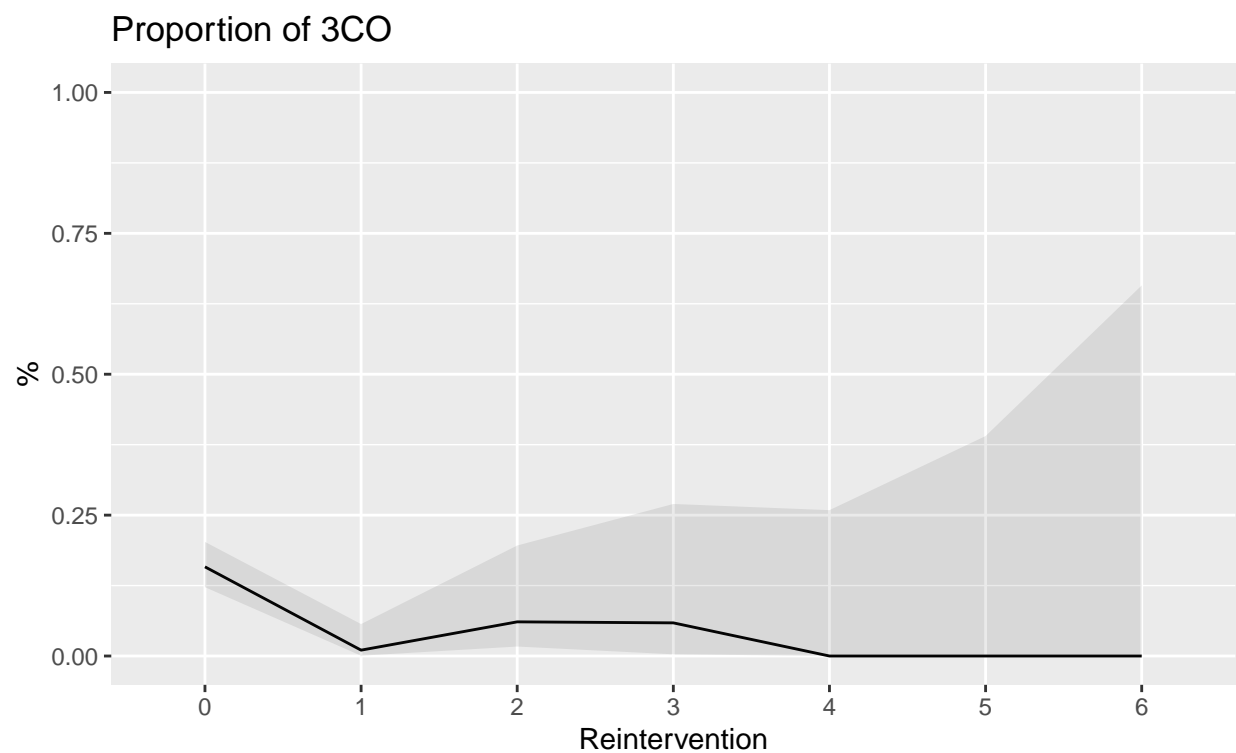
Proportion of SICU transfers

```
##      reintervention  prop    N    sd
## 1:                0 0.775 316 0.023
## 2:                1 0.656  96 0.048
## 3:                2 0.636  33 0.084
## 4:                3 0.882  17 0.078
## 5:                4 0.818  11 0.116
## 6:                5 0.667   6 0.192
## 7:                6 1.000   2 0.000
```

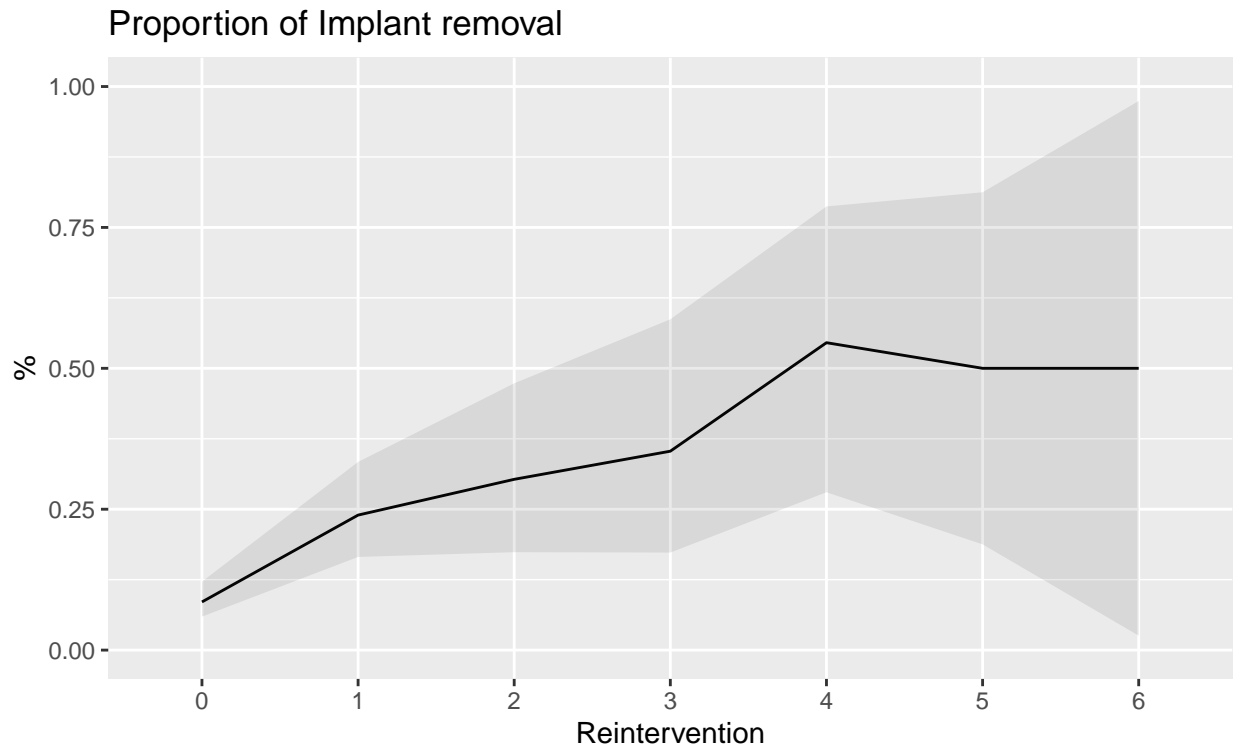


```
##              Estimate Std. Error  t value    Pr(>|t|)
## (Intercept)   0.75860485 0.02356547 32.191368 6.772330e-120
## reintervention -0.03040114 0.02594984 -1.171535 2.419904e-01
```

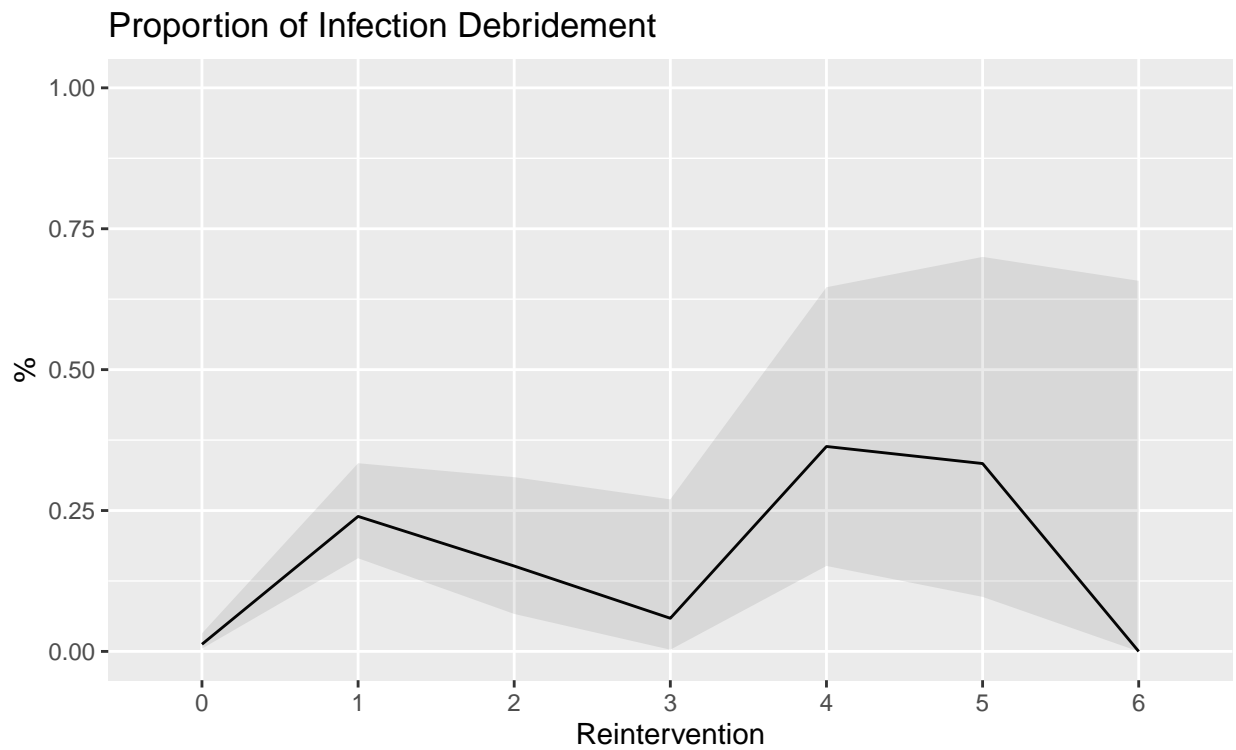
Evolution of surgeries



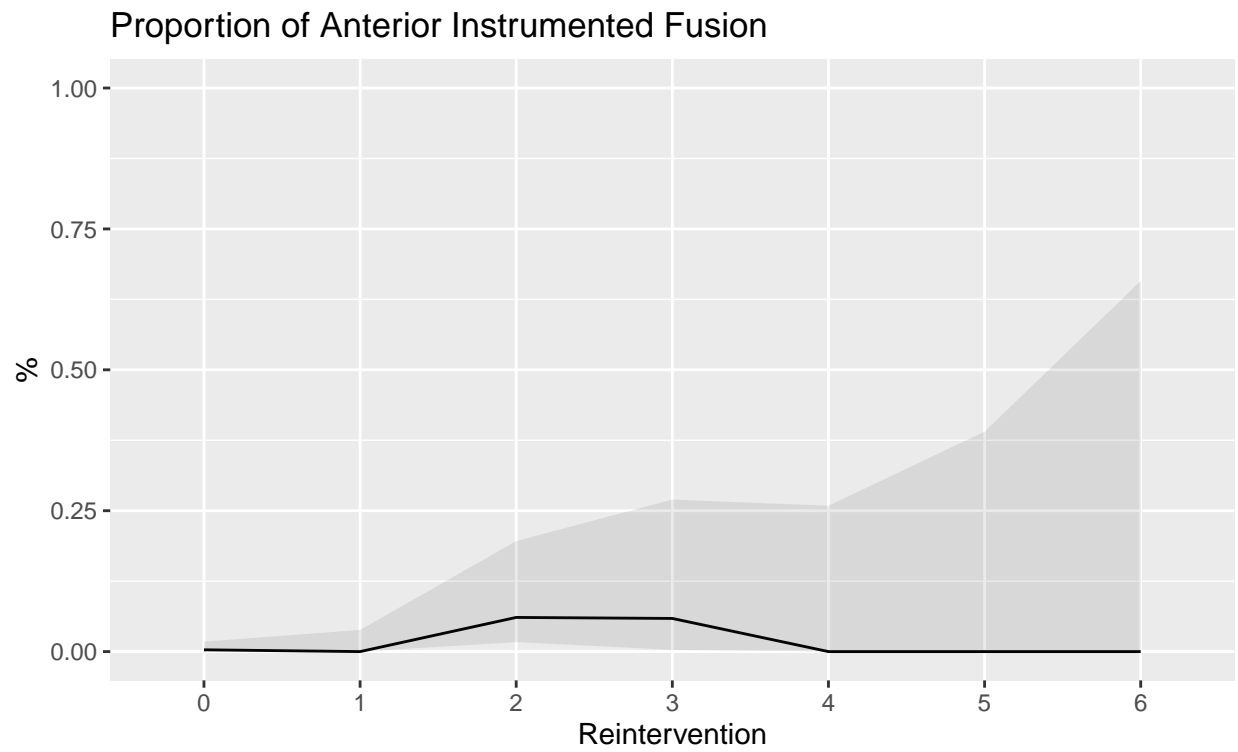
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.14442837	0.01720220	8.395926	5.766478e-16
reintervention	-0.05974604	0.01894272	-3.154037	1.715731e-03



	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.09301738	0.01837601	5.061892	6.014443e-07
reintervention	0.10810314	0.02023530	5.342304	1.446294e-07

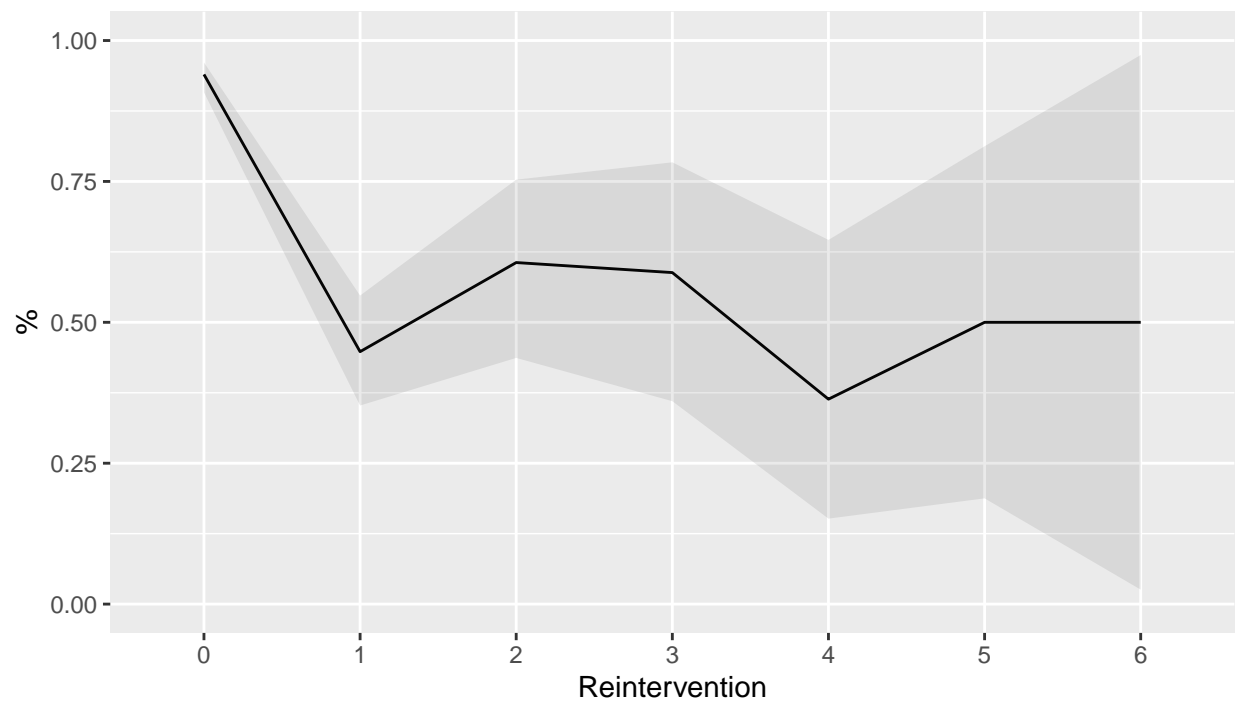


	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.03754219	0.01358573	2.763354	5.950532e-03
reintervention	0.07350003	0.01496034	4.912991	1.249093e-06



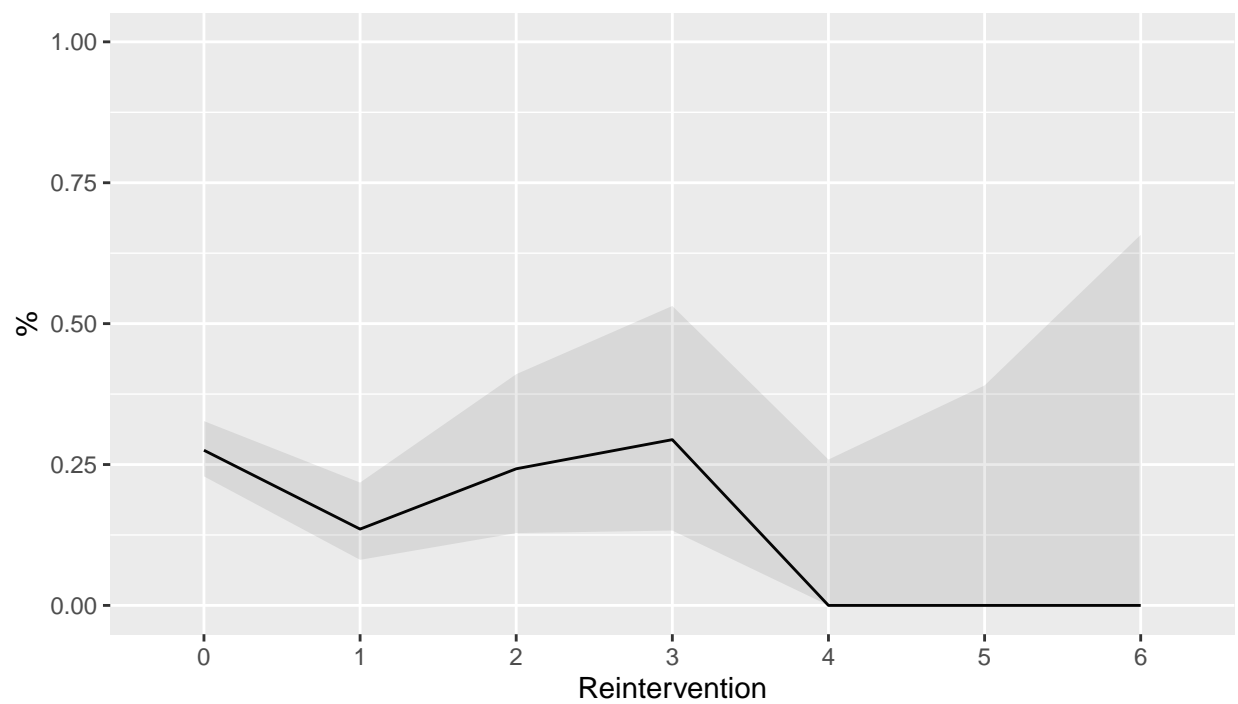
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.0002525774	0.004954002	0.05098453	0.95935998
reintervention	0.0182314987	0.005455250	3.34200963	0.00089958

Proportion of Posterior Instrumented Fusion

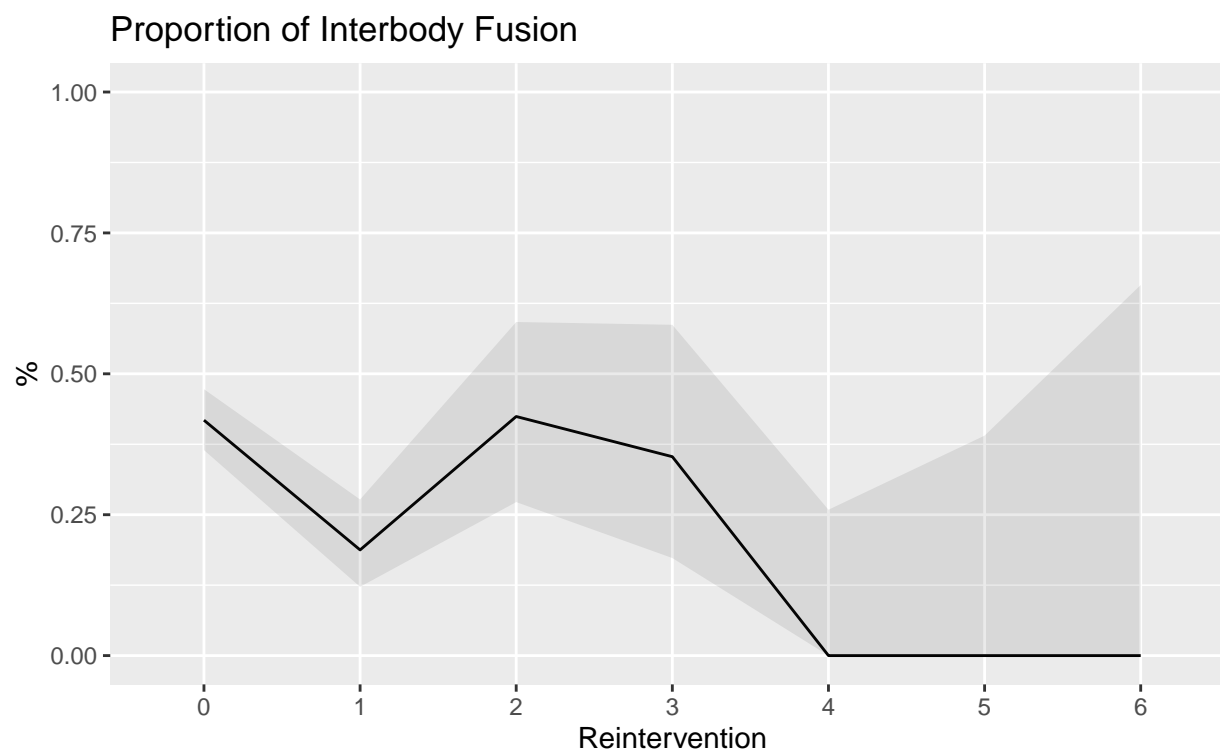


	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.8947441	0.01981796	45.148139	3.874080e-171
reintervention	-0.2036233	0.02182315	-9.330611	4.475134e-19

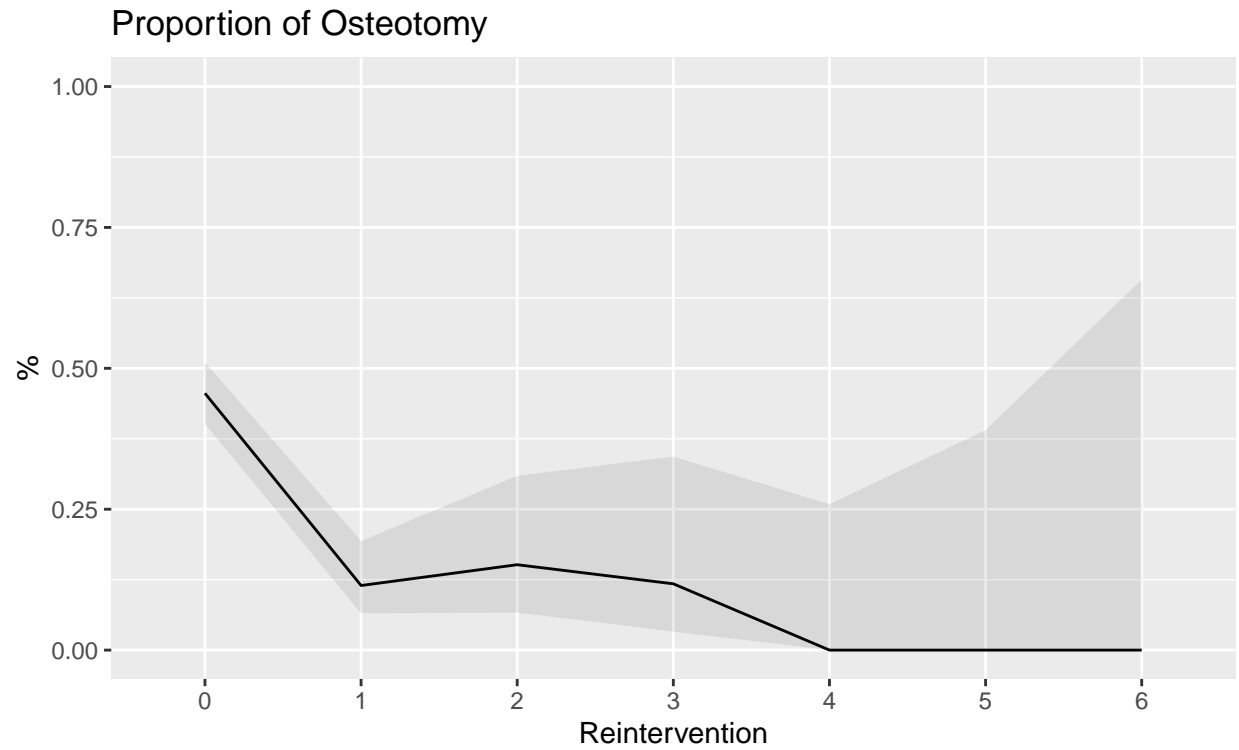
Proportion of Decompression



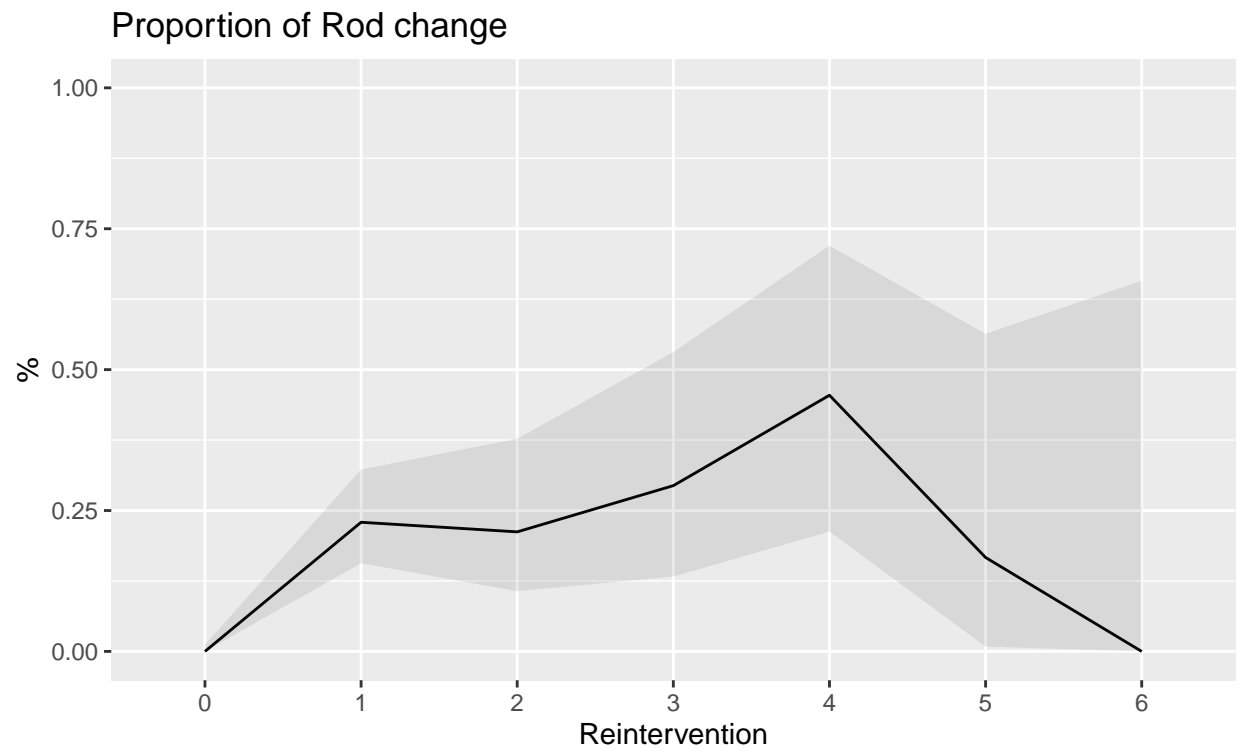
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.2577897	0.02323080	11.096892	1.625333e-25
reintervention	-0.0286331	0.02558131	-1.119298	2.635973e-01



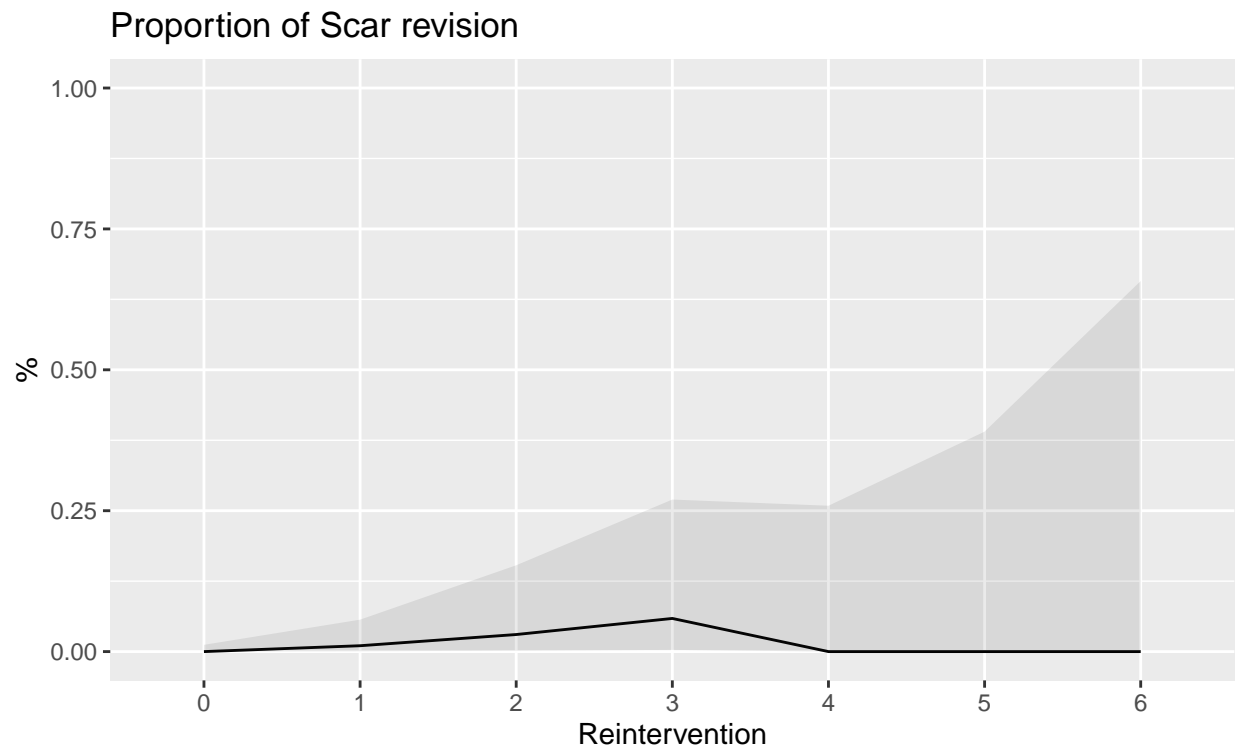
	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.39140318	0.02600978	15.048309	6.656922e-42
reintervention	-0.05083695	0.02864146	-1.774943	7.656858e-02



	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.4283943	0.02481717	17.262011	7.674182e-52
reintervention	-0.1686299	0.02732818	-6.170548	1.493920e-09



	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.01600422	0.01310363	1.221359	2.225759e-01
reintervention	0.12491102	0.01442946	8.656669	8.242488e-17



	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-0.001033271	0.004291487	-0.2407723	0.8098388625
reintervention	0.016325687	0.004725702	3.4546586	0.0006020275

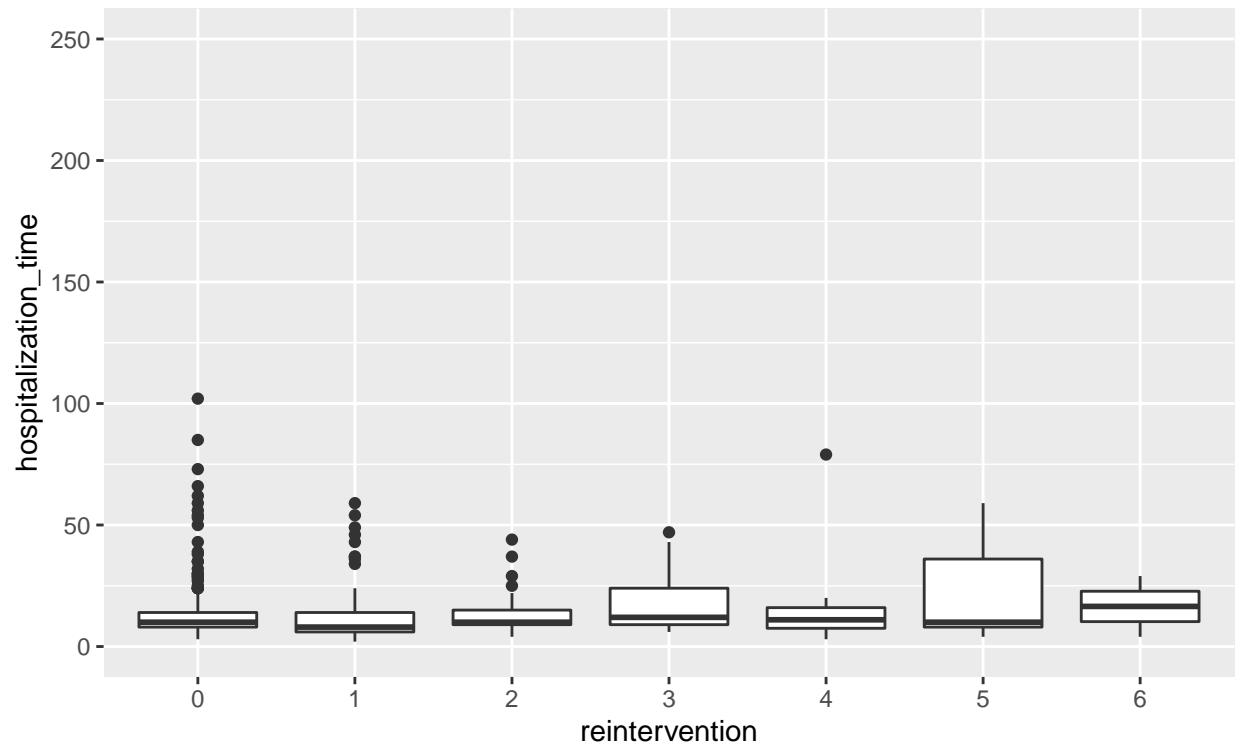
Hospitalization Time

Basic stats hospitalization time

	type	index	ur
1:	Mean	13.22785	14.05488
2:	Sd	11.48437	12.57822

t-test mean comparison p-values index vs ur

[1] 0.4822906



```
##      reintervention 0%   25%  50%   75% 100%
## 1:                0  3   8.00 10.0 14.00 102
## 2:                1  2   6.00  8.0 14.00  59
## 3:                2  4   9.00 10.0 15.00  44
## 4:                3  6   9.00 12.0 24.00  47
## 5:                4  3   7.50 11.0 16.00  79
## 6:                5  4   8.00 10.0 36.00  59
## 7:                6  4  10.25 16.5 22.75  29
```

```
##              Estimate Std. Error   t value    Pr(>|t|)
## (Intercept)  12.9811256  0.6146343 21.120080 1.027286e-69
## reintervention  0.6982159  0.6768233  1.031607 3.027982e-01
```

Note: linear model only up to 3 reinterventions (included)

Blood Loss

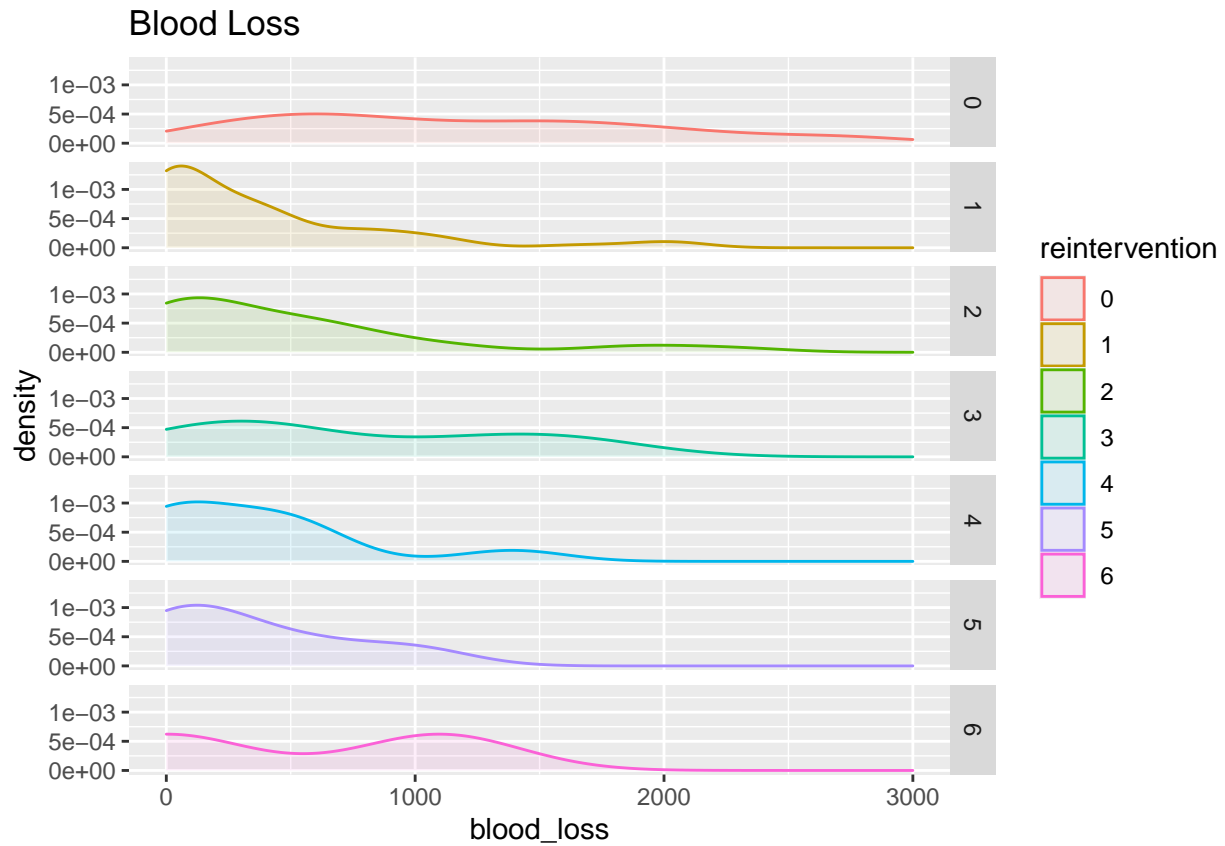
Basic stats blood loss

```
type    index    ur
1: Mean 1555.871 475.1569
2:   Sd 1339.169 624.7945
```

t-test mean comparison p-values index vs ur

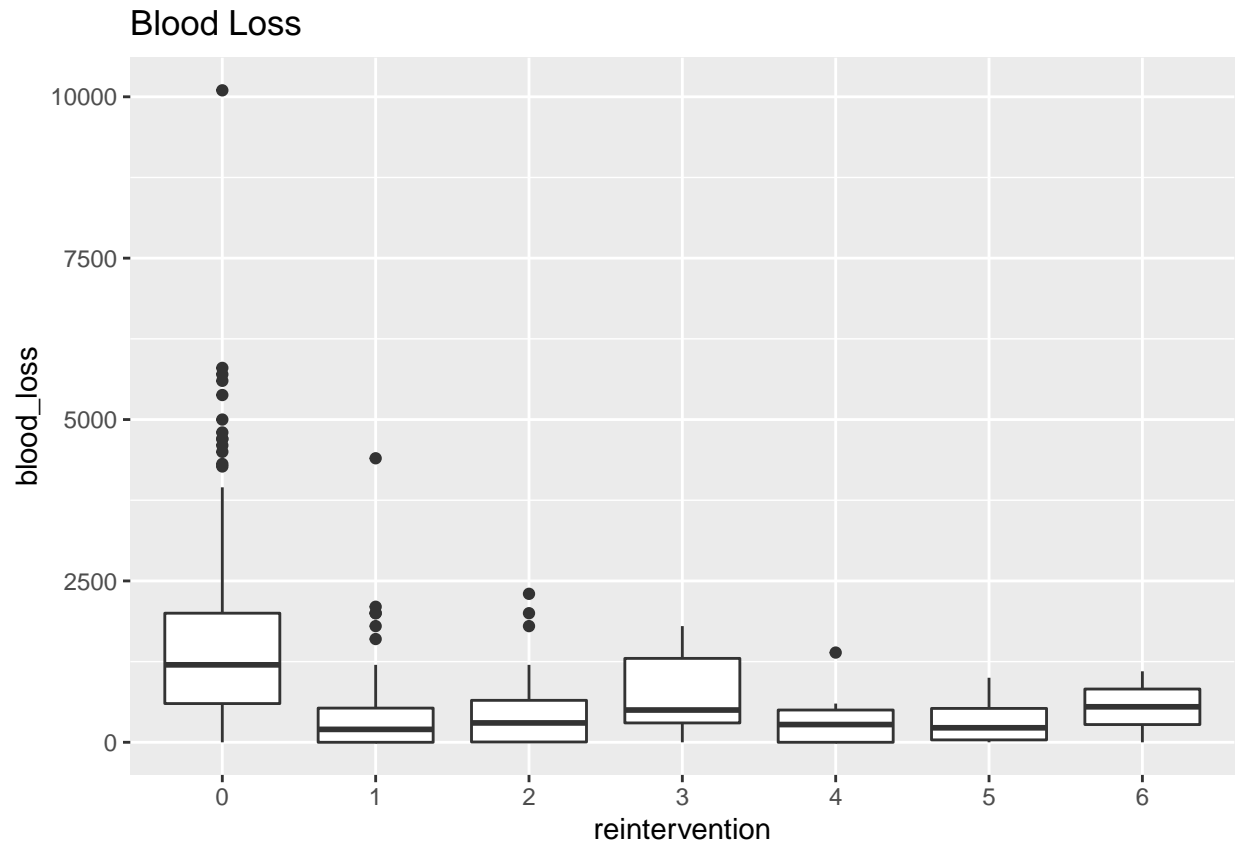
```
[1] 3.09048e-23
```

Warning: Removed 123 rows containing non-finite values (stat_density).



	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	1432.4807	73.27728	19.548769	8.735783e-59
reintervention	-493.1295	73.67881	-6.692963	8.230533e-11

Warning: Removed 95 rows containing non-finite values (stat_boxplot).



Surgical Time

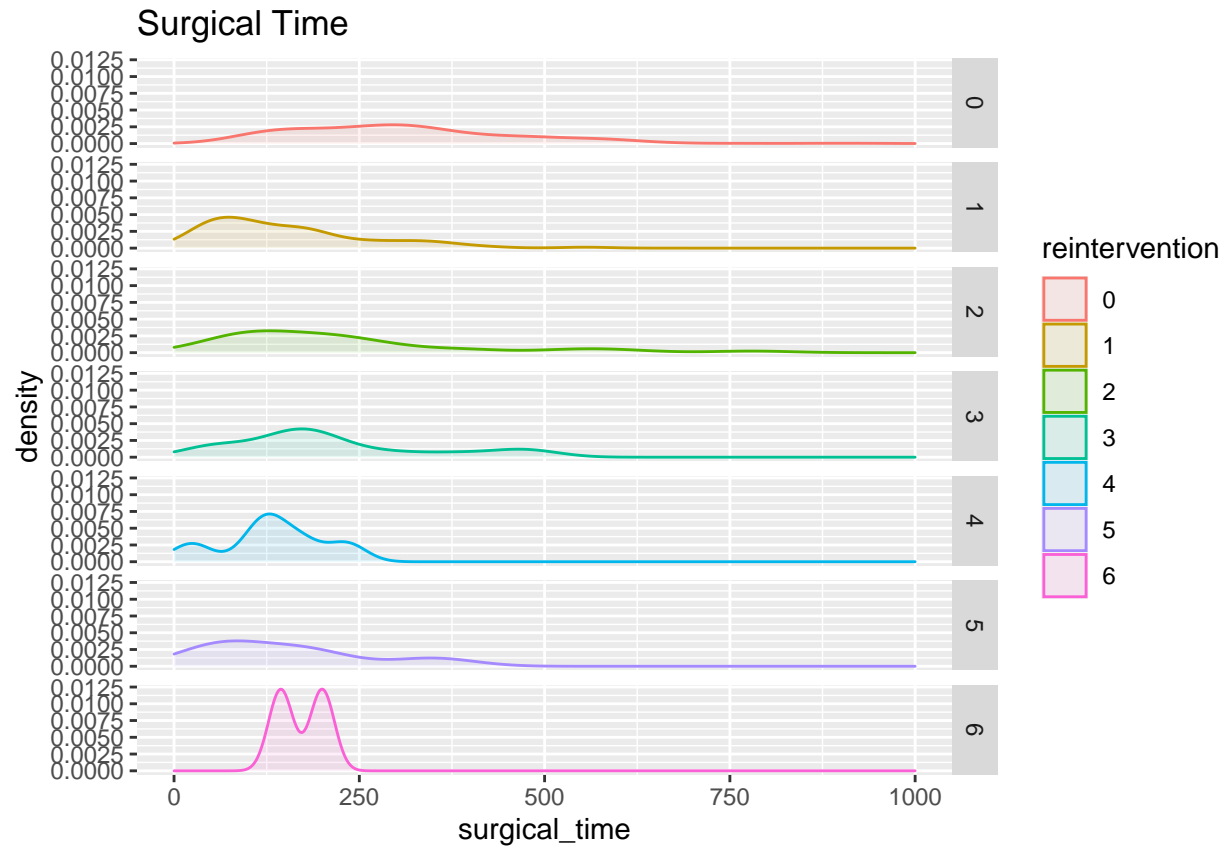
Basic stats surgical time

	type	index	ur
1:	Mean	312.3079	173.7419
2:	Sd	162.0614	128.6802

t-test mean comparison p-values index vs ur

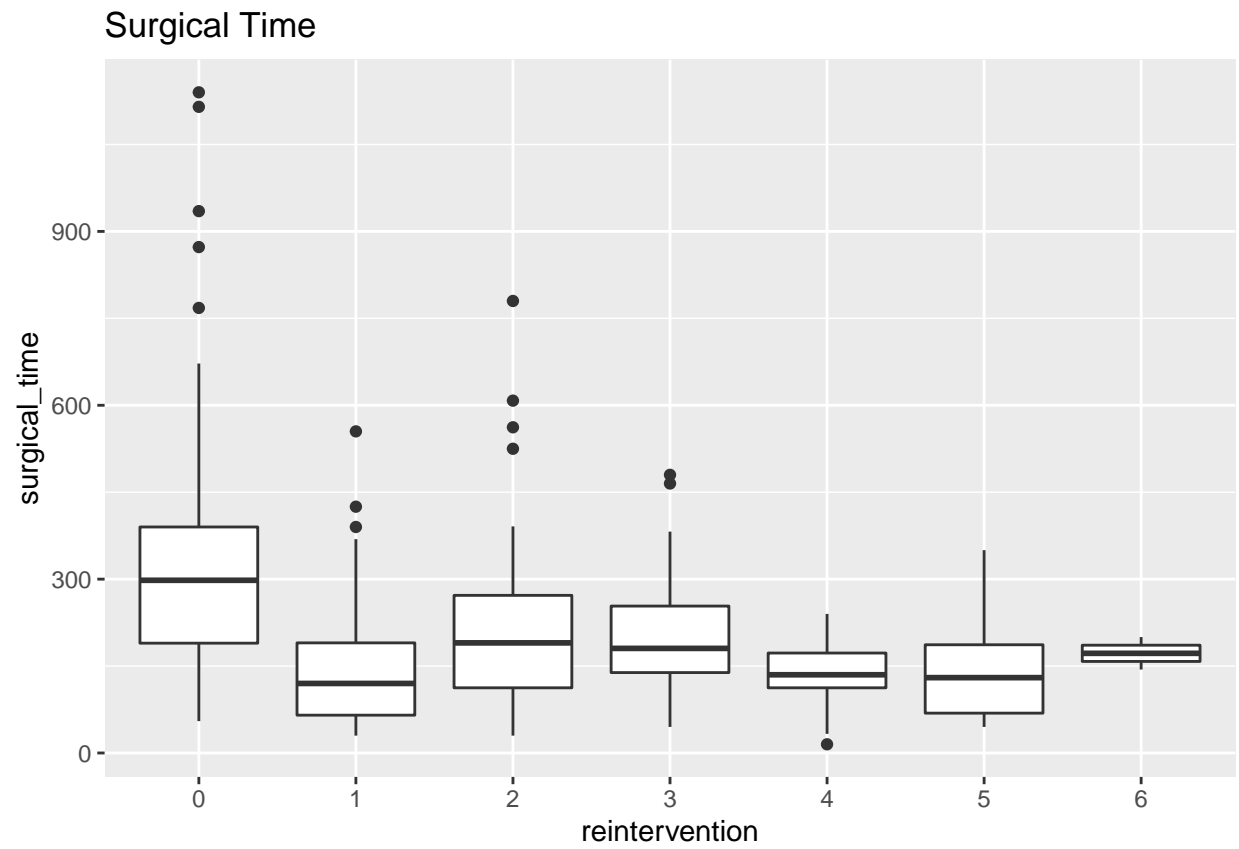
[1] 3.3953e-21

Warning: Removed 13 rows containing non-finite values (stat_density).



	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	297.93887	8.654935	34.424161	4.986917e-128
reintervention	-58.95215	9.687257	-6.085536	2.490690e-09

Warning: Removed 11 rows containing non-finite values (stat_boxplot).



Note: linear model only up to 3 reinterventions (included)