

```

1 // creating overlaid survival curves
2
3 use "C:\Users\8core\Documents\Bronchiolitis_ibuprofen\Maps\BMC revision\surv_analysis
_for_BMC_revision.dta"
4
5 gen set =0
6 save "C:\Users\8core\Documents\Bronchiolitis_ibuprofen\Maps\BMC revision\s1.dta" ,replace
7
8
9 clear
10 use "C:\Users\8core\Documents\Bronchiolitis_ibuprofen\Maps\BMC revision\surv_analysis
_for_BMC_revision.dta"
11
12
13 gen set =1
14
15 save "C:\Users\8core\Documents\Bronchiolitis_ibuprofen\Maps\BMC revision\s2.dta" ,replace
16
17 clear
18
19 use s1.dta
20
21
22 ///////////////////////////////////////////////////
23 /////////////////////////////////////////////////// Survival analysis set up
24
25 cap drop s_an6
26 cap drop s_an12
27 cap drop s_an24
28
29
30 bys id (cum_time_elapsed) : egen s_an24 = max(inception) if age[1] <=24
31 bys id (cum_time_elapsed) : egen s_an12 = max(inception) if age[1] <=12
32 bys id (cum_time_elapsed) : egen s_an6 = max(inception) if age[1] <=6
33
34 bys id (age) : replace s_an6 =0 if age[1] >6
35 bys id (age) : replace s_an12 =0 if age[1] >12
36 bys id (age) : replace s_an24 =0 if age[1] >24
37
38
39 lab var s_an6 "Include in survival analysis for <=6 mth group"
40 lab var s_an12 "Include in survival analysis for <=12 mth group"
41 lab var s_an24 "Include in survival analysis for <=24 mth group"
42
43
44 ///////////////////////////////////////////////////
45 ///////////////////////////////////////////////////
46
47 bys id (age) : replace cat =cat[1] if cat==.
48 bys id (age) : replace cat_narrow =cat_narrow[1] if cat_narrow==.
49
50 ///////////////////////////////////////////////////
51 ////creating two way graphs of survival
52
53
54 gen cat3 =1 if cat_narrow ==1 & set ==0
55 replace cat3 =2 if cat_narrow ==0 & set ==1
56 tab cat3 ,mis
57 drop if cat3 ==.
58
59
60
61 stset cum_time_elapsed, id(id7) failure(d365) exit(age==24)
62 sts graph ,adjust(b2season ) fail tmax(365) by(cat3)
63 gr play survival.grec
64 graph export "C:\Users\8core\Documents\Bronchiolitis_ibuprofen\Maps\BMC
revision\Figure_survival_multiple.png", as(png) replace
65
66
67 stset cum_time_elapsed, id(id7) failure(d365==1) exit(age==24)

```

```
68 sts graph ,adjust(b2season ) fail tmax(365) by(cat3)
69 gr play survival.grec
70 //manual edit title
71 graph save Graph "C:\Users\8core\Documents\Bronchiolitis_ibuprofen\Maps\BMC
revision\survival _first_visit.gph"
72
73
74 grc1leg "survival _first_visit.gph" Figure_survival_multiple.gph, xcomm ycomm col(1)
75
```