```
1 . stepwise, pr(.2): stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_al
> t_regimen num_hiv_care_appointment num_duration_on_art_months num_art_iterruption num_client_ca
> um_HF_type num_HF_volume num_facility_staffing num_art_refill_model num_cd4_count num_baseline_
note: num_alcohl_use dropped because of estimability
note: num_art_iterruption dropped because of estimability
                    begin with full model
p = 1.0000 >= 0.2000  removing num_art_adherence
p = 0.9824 >= 0.2000  removing num_HF_volume
p = 0.7131 >= 0.2000  removing num_art_regimen
p = 0.6553 >= 0.2000  removing num_hiv_care_appointment
p = 0.6321 >= 0.2000  removing num_residence_lvl
p = 0.6318 >= 0.2000  removing num_art_dispensing_days2
p = 0.4399 >= 0.2000  removing num_marital_status

Cox regression -- Breslow method for ties

No. of subjects =          605                 Number of obs    =         605
No. of failures =           28
Time at risk    =        28282
                                               LR chi2(11)      =       43.34
Log likelihood  =   -157.06611                 Prob > chi2      =      0.0000
```

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_age_cat	.6054651	.2229337	-1.36	0.173	.2942217	1.245959
gender	2.207105	.9126276	1.91	0.056	.9814208	4.963533
num_art_refill_model	3.188239	2.453159	1.51	0.132	.705671	14.40454
num_HF_distance	1.875219	.6392799	1.84	0.065	.961323	3.657924
num_HF_volume2	.3625074	.2144503	-1.72	0.086	.1137018	1.155757
num_baseline_llv	.3240555	.2133119	-1.71	0.087	.0891887	1.177413
num_cd4_count	.4306165	.2279576	-1.59	0.111	.1525759	1.215334
num_duration_on_art_months	1.45199	.3876135	1.40	0.162	.8604638	2.450161
num_client_category	8.80098	3.982304	4.81	0.000	3.625566	21.36418
num_facility_staffing	19.2162	35.06943	1.62	0.105	.5373176	687.2332
num_HF_type	.1308812	.1134034	-2.35	0.019	.0239522	.7151705

```
2 . stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_alcohl_use num_art_a
> care_appointment num_duration_on_art_months num_art_iterruption num_client_category num_art_dis
> volume num_facility_staffing num_art_refill_model num_cd4_count num_baseline_llv gender num_HF_

          failure _d:  rebound_ovall == 1
    analysis time _t:  Tcensor_months2
                  id:  patient_id

Iteration 0:   log likelihood = -178.73398
Iteration 1:   log likelihood = -161.47341
Iteration 2:   log likelihood = -155.27956
Iteration 3:   log likelihood = -154.82173
Iteration 4:   log likelihood = -154.71679
Iteration 5:   log likelihood = -154.67791
Iteration 6:   log likelihood = -154.66267
Iteration 7:   log likelihood = -154.65686
Iteration 8:   log likelihood =  -154.6547
Iteration 9:   log likelihood = -154.65391
Iteration 10:  log likelihood = -154.65362
Iteration 11:  log likelihood = -154.65351
Iteration 12:  log likelihood = -154.65347
Iteration 13:  log likelihood = -154.65346
Iteration 14:  log likelihood = -154.65345
Iteration 15:  log likelihood = -154.65345
```

```
Iteration 16:  log likelihood = -154.65345
Iteration 17:  log likelihood = -154.65345
Iteration 18:  log likelihood = -154.65345
Iteration 19:  log likelihood = -154.65345
Iteration 20:  log likelihood = -154.65345
Iteration 21:  log likelihood = -154.65345
Iteration 22:  log likelihood = -154.65345
Iteration 23:  log likelihood = -154.65345
Iteration 24:  log likelihood = -154.65345
Iteration 25:  log likelihood = -154.65345
Iteration 26:  log likelihood = -154.65345
Iteration 27:  log likelihood = -154.65345
Iteration 28:  log likelihood = -154.65345
Iteration 29:  log likelihood = -154.65345
Iteration 30:  log likelihood = -154.65345
Iteration 31:  log likelihood = -154.65345
Iteration 32:  log likelihood = -154.65345
Iteration 33:  log likelihood = -154.65345
Refining estimates:
Iteration 0:   log likelihood = -154.65345
Iteration 1:   log likelihood = -154.65345
Iteration 2:   log likelihood = -154.65345
Iteration 3:   log likelihood = -154.65345

Cox regression -- Breslow method for ties

No. of subjects =          605                 Number of obs    =         605
No. of failures =           28
Time at risk    =        28282
                                               LR chi2(18)      =       48.16
Log likelihood  =   -154.65345                 Prob > chi2      =      0.0001
```

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_age_cat	.6208065	.241533	-1.23	0.220	.289591	1.330845
num_marital_status	.797364	.2304416	-0.78	0.433	.4525387	1.404939
num_residence_lvl	.8962513	.446672	-0.22	0.826	.3374502	2.3804
num_HF_distance	1.879164	.6450306	1.84	0.066	.9589287	3.682503
num_alcohl_use	2.14e-16	.	.	.	.	.
num_art_adherence	3.97e-18	2.67e-10	-0.00	1.000	0	.
num_art_regimen	.6606882	.7026452	-0.39	0.697	.082175	5.311946
num_hiv_care_appointment	.9442852	.1673048	-0.32	0.746	.6672531	1.336336
num_duration_on_art_months	1.495871	.4084443	1.47	0.140	.8759424	2.554541
num_art_iterruption	1.32e-23	.	.	.	.	.
num_client_category	6.858307	4.060654	3.25	0.001	2.149013	21.88743
num_art_dispensing_days2	.6313177	.3618838	-0.80	0.422	.2052685	1.941661
num_HF_type	.1403484	.1603402	-1.72	0.086	.014954	1.317217
num_HF_volume	1.024774	.2289479	0.11	0.913	.6613917	1.587807
num_facility_staffing	17.22417	43.13885	1.14	0.256	.1271329	2333.557
num_art_refill_model	3.302552	2.730295	1.45	0.148	.6533442	16.69388
num_cd4_count	.4069984	.2247955	-1.63	0.104	.1378646	1.201525
num_baseline_llv	.2663124	.1943266	-1.81	0.070	.0637198	1.113033
gender	2.21725	.9266404	1.91	0.057	.9774121	5.02981
num_HF_volume2	.3500853	.2836612	-1.30	0.195	.0715281	1.713449

```
3 . stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_alcohl_use num_art_r
  > um_duration_on_art_months num_art_iterruption num_client_category num_art_dispensing_days2 num_
  > y_staffing num_art_refill_model num_cd4_count num_baseline_llv gender num_HF_volume2

          failure _d:  rebound_ovall == 1
    analysis time _t:  Tcensor_months2
                  id:  patient_id

Iteration 0:   log likelihood = -178.73398
Iteration 1:   log likelihood = -162.08098
Iteration 2:   log likelihood = -155.85067
Iteration 3:   log likelihood = -155.43224
Iteration 4:   log likelihood =  -155.3434
Iteration 5:   log likelihood =  -155.3108
Iteration 6:   log likelihood = -155.29787
Iteration 7:   log likelihood = -155.29287
Iteration 8:   log likelihood =   -155.291
Iteration 9:   log likelihood = -155.29032
Iteration 10:  log likelihood = -155.29006
Iteration 11:  log likelihood = -155.28997
Iteration 12:  log likelihood = -155.28994
Iteration 13:  log likelihood = -155.28992
Iteration 14:  log likelihood = -155.28992
Iteration 15:  log likelihood = -155.28992
Iteration 16:  log likelihood = -155.28992
Iteration 17:  log likelihood = -155.28992
Iteration 18:  log likelihood = -155.28992
Iteration 19:  log likelihood = -155.28992
Iteration 20:  log likelihood = -155.28992
Iteration 21:  log likelihood = -155.28992
Iteration 22:  log likelihood = -155.28992
Iteration 23:  log likelihood = -155.28992
Iteration 24:  log likelihood = -155.28992
Iteration 25:  log likelihood = -155.28992
Iteration 26:  log likelihood = -155.28992
Iteration 27:  log likelihood = -155.28992
Iteration 28:  log likelihood = -155.28992
Iteration 29:  log likelihood = -155.28992
Iteration 30:  log likelihood = -155.28992
Iteration 31:  log likelihood = -155.28992
Iteration 32:  log likelihood = -155.28992
Iteration 33:  log likelihood = -155.28992
Refining estimates:
Iteration 0:   log likelihood = -155.28992
Iteration 1:   log likelihood = -155.28992
Iteration 2:   log likelihood = -155.28992
Iteration 3:   log likelihood = -155.28992

Cox regression -- Breslow method for ties

No. of subjects =          605                 Number of obs    =          605
No. of failures =           28
Time at risk    =        28282
                                                LR chi2(18)      =        46.89
Log likelihood  =   -155.28992                  Prob > chi2      =       0.0002
```

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_age_cat	.6021222	.2278997	-1.34	0.180	.2867542	1.264327
num_marital_status	.7873514	.2295912	-0.82	0.412	.4445891	1.394371
num_residence_lvl	.8116114	.4050763	-0.42	0.676	.3051493	2.158658
num_HF_distance	1.824174	.6217013	1.76	0.078	.9353326	3.557676
num_alcohl_use	8.24e-17	.	.	.	.	.
num_art_regimen	.6531236	.6950179	-0.40	0.689	.0811323	5.257713
num_hiv_care_appointment	.936708	.1681774	-0.36	0.716	.6588381	1.331772
num_duration_on_art_months	1.525266	.419026	1.54	0.124	.8902268	2.613307
num_art_iterruption	9.73e-15	2.67e-07	-0.00	1.000	0	.
num_client_category	6.928419	4.101362	3.27	0.001	2.171476	22.10616
num_art_dispensing_days2	.6614742	.3810643	-0.72	0.473	.21387	2.04586
num_HF_type	.1446865	.1656288	-1.69	0.091	.0153469	1.364063
num_HF_volume	1.050292	.2366066	0.22	0.828	.6753893	1.633301
num_facility_staffing	14.57643	36.4415	1.07	0.284	.1085483	1957.399
num_art_refill_model	3.395283	2.806033	1.48	0.139	.6720479	17.15346
num_cd4_count	.396568	.2192968	-1.67	0.094	.1341574	1.172251
num_baseline_llv	.2773617	.2022856	-1.76	0.079	.0664122	1.158364
gender	2.220004	.9278652	1.91	0.056	.9785627	5.036386
num_HF_volume2	.3784152	.3076489	-1.20	0.232	.0769038	1.862042

```
4 . stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_alcohl_use num_art_r
  > um_duration_on_art_months num_client_category num_art_dispensing_days2 num_HF_type num_HF_volum
  > efill_model num_cd4_count num_baseline_llv gender num_HF_volume2

          failure _d:  rebound_ovall == 1
    analysis time _t:  Tcensor_months2
                  id:  patient_id

Iteration 0:   log likelihood = -178.73398
Iteration 1:   log likelihood = -162.28651
Iteration 2:   log likelihood =  -156.0343
Iteration 3:   log likelihood = -155.64182
Iteration 4:   log likelihood = -155.56281
Iteration 5:   log likelihood = -155.53548
Iteration 6:   log likelihood = -155.52545
Iteration 7:   log likelihood = -155.52176
Iteration 8:   log likelihood = -155.52041
Iteration 9:   log likelihood = -155.51991
Iteration 10:  log likelihood = -155.51972
Iteration 11:  log likelihood = -155.51966
Iteration 12:  log likelihood = -155.51963
Iteration 13:  log likelihood = -155.51962
Iteration 14:  log likelihood = -155.51962
Iteration 15:  log likelihood = -155.51962
Iteration 16:  log likelihood = -155.51962
Iteration 17:  log likelihood = -155.51962
Iteration 18:  log likelihood = -155.51962
Iteration 19:  log likelihood = -155.51962
Iteration 20:  log likelihood = -155.51962
Iteration 21:  log likelihood = -155.51962
Iteration 22:  log likelihood = -155.51962
Iteration 23:  log likelihood = -155.51962
Iteration 24:  log likelihood = -155.51962
Iteration 25:  log likelihood = -155.51962
Iteration 26:  log likelihood = -155.51962
Iteration 27:  log likelihood = -155.51962
Iteration 28:  log likelihood = -155.51962
Iteration 29:  log likelihood = -155.51962
Iteration 30:  log likelihood = -155.51962
```

```
Iteration 31:  log likelihood = -155.51962
Iteration 32:  log likelihood = -155.51962
Iteration 33:  log likelihood = -155.51962
Iteration 34:  log likelihood = -155.51962
Refining estimates:
Iteration 0:   log likelihood = -155.51962

Cox regression -- Breslow method for ties

No. of subjects =          605                 Number of obs    =         605
No. of failures =           28
Time at risk    =        28282
                                               LR chi2(17)      =       46.43
Log likelihood  =   -155.51962                 Prob > chi2      =      0.0001
```

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_age_cat	.5995128	.2275862	-1.35	0.178	.284883	1.261625
num_marital_status	.7787812	.2259729	-0.86	0.389	.4409901	1.375315
num_residence_lvl	.7878855	.3930858	-0.48	0.633	.2963386	2.094778
num_HF_distance	1.829689	.6241989	1.77	0.077	.9375398	3.570795
num_alcohl_use	4.45e-15	.	.	.	.	.
num_art_regimen	.6563708	.6983822	-0.40	0.692	.0815579	5.282415
num_hiv_care_appointment	.927018	.1664013	-0.42	0.673	.6520727	1.317894
num_duration_on_art_months	1.543289	.4232466	1.58	0.114	.9015825	2.641734
num_client_category	6.974861	4.135869	3.28	0.001	2.181726	22.29825
num_art_dispensing_days2	.6687494	.3856526	-0.70	0.485	.2159707	2.070771
num_HF_type	.1459168	.1670923	-1.68	0.093	.015466	1.376682
num_HF_volume	1.052514	.2373786	0.23	0.820	.6764763	1.637584
num_facility_staffing	14.09797	35.26194	1.06	0.290	.1047433	1897.523
num_art_refill_model	3.4356	2.838472	1.49	0.135	.6803695	17.34843
num_cd4_count	.3905007	.2158406	-1.70	0.089	.1321719	1.153731
num_baseline_llv	.2729332	.1983937	-1.79	0.074	.0656633	1.134463
gender	2.226901	.9296838	1.92	0.055	.9825222	5.047304
num_HF_volume2	.3774853	.3071629	-1.20	0.231	.0766074	1.860072

```
5 . stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_art_regimen num_hiv_
  > art_months num_client_category num_art_dispensing_days2 num_HF_type num_HF_volume num_facility_
  > _cd4_count num_baseline_llv gender num_HF_volume2

         failure _d:  rebound_ovall == 1
   analysis time _t:  Tcensor_months2
                 id:  patient_id

Iteration 0:   log likelihood = -178.73398
Iteration 1:   log likelihood = -162.24467
Iteration 2:   log likelihood = -156.54419
Iteration 3:   log likelihood = -156.34665
Iteration 4:   log likelihood = -156.34234
Iteration 5:   log likelihood = -156.34234
Iteration 6:   log likelihood = -156.34234
Refining estimates:
Iteration 0:   log likelihood = -156.34234

Cox regression -- Breslow method for ties
```

No. of subjects = **605** Number of obs = **605**
No. of failures = **28**
Time at risk = **28282**
LR chi2(**17**) = **44.78**
Log likelihood = **-156.34234** Prob > chi2 = **0.0003**

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_age_cat	.594261	.2265953	-1.36	0.172	.281455	1.254716
num_marital_status	.7786606	.2268025	-0.86	0.390	.4399633	1.378097
num_residence_lvl	.7923323	.3944585	-0.47	0.640	.2986352	2.102198
num_HF_distance	1.819366	.6259771	1.74	0.082	.926943	3.570979
num_art_regimen	.6759887	.719925	-0.37	0.713	.0838327	5.450865
num_hiv_care_appointment	.9299511	.1665856	-0.41	0.685	.6546079	1.32111
num_duration_on_art_months	1.552492	.4294333	1.59	0.112	.9027744	2.669804
num_client_category	7.847395	4.497525	3.59	0.000	2.552009	24.13064
num_art_dispensing_days2	.7434223	.4141299	-0.53	0.595	.2494976	2.215159
num_HF_type	.1358392	.1562297	-1.74	0.083	.0142578	1.294192
num_HF_volume	1.004922	.2240015	0.02	0.982	.6492256	1.555496
num_facility_staffing	16.71264	41.9149	1.12	0.261	.1225327	2279.492
num_art_refill_model	3.541183	2.926	1.53	0.126	.7011644	17.88451
num_cd4_count	.385993	.2135997	-1.72	0.085	.13048	1.141866
num_baseline_llv	.2959432	.2066403	-1.74	0.081	.0753118	1.162931
gender	2.205617	.9240803	1.89	0.059	.9702977	5.013665
num_HF_volume2	.3714868	.3033474	-1.21	0.225	.0749674	1.840834

```
6 . stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_alcohl_use num_art_a
  > care_appointment num_duration_on_art_months num_art_iterruption num_client_category num_art_dis
  > volume num_facility_staffing num_art_refill_model num_cd4_count num_baseline_llv gender num_HF_

          failure _d:  rebound_ovall == 1
    analysis time _t:  Tcensor_months2
                  id:  patient_id

Iteration 0:   log likelihood = -178.73398
Iteration 1:   log likelihood = -161.47341
Iteration 2:   log likelihood = -155.27956
Iteration 3:   log likelihood = -154.82173
Iteration 4:   log likelihood = -154.71679
Iteration 5:   log likelihood = -154.67791
Iteration 6:   log likelihood = -154.66267
Iteration 7:   log likelihood = -154.65686
Iteration 8:   log likelihood =  -154.6547
Iteration 9:   log likelihood = -154.65391
Iteration 10:  log likelihood = -154.65362
Iteration 11:  log likelihood = -154.65351
Iteration 12:  log likelihood = -154.65347
Iteration 13:  log likelihood = -154.65346
Iteration 14:  log likelihood = -154.65345
Iteration 15:  log likelihood = -154.65345
Iteration 16:  log likelihood = -154.65345
Iteration 17:  log likelihood = -154.65345
Iteration 18:  log likelihood = -154.65345
Iteration 19:  log likelihood = -154.65345
Iteration 20:  log likelihood = -154.65345
Iteration 21:  log likelihood = -154.65345
Iteration 22:  log likelihood = -154.65345
Iteration 23:  log likelihood = -154.65345
Iteration 24:  log likelihood = -154.65345
Iteration 25:  log likelihood = -154.65345
Iteration 26:  log likelihood = -154.65345
```

```
Iteration 27:  log likelihood = -154.65345
Iteration 28:  log likelihood = -154.65345
Iteration 29:  log likelihood = -154.65345
Iteration 30:  log likelihood = -154.65345
Iteration 31:  log likelihood = -154.65345
Iteration 32:  log likelihood = -154.65345
Iteration 33:  log likelihood = -154.65345
Refining estimates:
Iteration 0:   log likelihood = -154.65345
Iteration 1:   log likelihood = -154.65345
Iteration 2:   log likelihood = -154.65345
Iteration 3:   log likelihood = -154.65345

Cox regression -- Breslow method for ties

No. of subjects =          605                 Number of obs    =         605
No. of failures =           28
Time at risk    =        28282
                                               LR chi2(18)      =       48.16
Log likelihood  =   -154.65345                 Prob > chi2      =      0.0001
```

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_age_cat	.6208065	.241533	-1.23	0.220	.289591	1.330845
num_marital_status	.797364	.2304416	-0.78	0.433	.4525387	1.404939
num_residence_lvl	.8962513	.446672	-0.22	0.826	.3374502	2.3804
num_HF_distance	1.879164	.6450306	1.84	0.066	.9589287	3.682503
num_alcohl_use	2.14e-16	.	.	.	.	.
num_art_adherence	3.97e-18	2.67e-10	-0.00	1.000	0	.
num_art_regimen	.6606882	.7026452	-0.39	0.697	.082175	5.311946
num_hiv_care_appointment	.9442852	.1673048	-0.32	0.746	.6672531	1.336336
num_duration_on_art_months	1.495871	.4084443	1.47	0.140	.8759424	2.554541
num_art_iterruption	1.32e-23	.	.	.	.	.
num_client_category	6.858307	4.060654	3.25	0.001	2.149013	21.88743
num_art_dispensing_days2	.6313177	.3618838	-0.80	0.422	.2052685	1.941661
num_HF_type	.1403484	.1603402	-1.72	0.086	.014954	1.317217
num_HF_volume	1.024774	.2289479	0.11	0.913	.6613917	1.587807
num_facility_staffing	17.22417	43.13885	1.14	0.256	.1271329	2333.557
num_art_refill_model	3.302552	2.730295	1.45	0.148	.6533442	16.69388
num_cd4_count	.4069984	.2247955	-1.63	0.104	.1378646	1.201525
num_baseline_llv	.2663124	.1943266	-1.81	0.070	.0637198	1.113033
gender	2.21725	.9266404	1.91	0.057	.9774121	5.02981
num_HF_volume2	.3500853	.2836612	-1.30	0.195	.0715281	1.713449

```
7 . stepwise, pr(0.05): stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_
> art_regimen num_hiv_care_appointment num_duration_on_art_months num_art_iterruption num_client_
>  num_HF_type num_HF_volume num_facility_staffing num_art_refill_model num_cd4_count num_baselir
note: num_alcohl_use dropped because of estimability
note: num_art_iterruption dropped because of estimability
                     begin with full model
p = 1.0000 >= 0.0500  removing num_art_adherence
p = 0.9824 >= 0.0500  removing num_HF_volume
p = 0.7131 >= 0.0500  removing num_art_regimen
p = 0.6553 >= 0.0500  removing num_hiv_care_appointment
p = 0.6321 >= 0.0500  removing num_residence_lvl
p = 0.6318 >= 0.0500  removing num_art_dispensing_days2
p = 0.4399 >= 0.0500  removing num_marital_status
p = 0.1730 >= 0.0500  removing num_age_cat
p = 0.2010 >= 0.0500  removing num_duration_on_art_months
p = 0.1240 >= 0.0500  removing num_art_refill_model
p = 0.1115 >= 0.0500  removing gender
```

p = **0.1273** >= 0.0500 removing **num_baseline_llv**
p = **0.1365** >= 0.0500 removing **num_facility_staffing**
p = **0.6928** >= 0.0500 removing **num_HF_volume2**
p = **0.2274** >= 0.0500 removing **num_cd4_count**

Cox regression -- Breslow method for ties

No. of subjects =	**605**	Number of obs =	**605**
No. of failures =	**28**		
Time at risk =	**28282**		
		LR chi2(**3**) =	**27.66**
Log likelihood =	**-164.90235**	Prob > chi2 =	**0.0000**

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_HF_type	**.527854**	**.166998**	**-2.02**	**0.043**	**.2839342**	**.9813181**
num_HF_distance	**1.908364**	**.5985748**	**2.06**	**0.039**	**1.031988**	**3.52897**
num_client_category	**8.229285**	**3.231251**	**5.37**	**0.000**	**3.811847**	**17.76596**

8 . stepwise, pe(0.10): stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_
> art_regimen num_hiv_care_appointment num_duration_on_art_months num_art_iterruption num_client_
> num_HF_type num_HF_volume num_facility_staffing num_art_refill_model num_cd4_count num_baselin
note: num_alcohl_use dropped because of estimability
note: num_art_iterruption dropped because of estimability
begin with empty model
p = **0.0000** < 0.1000 adding **num_client_category**
p = **0.0607** < 0.1000 adding **num_HF_type**
p = **0.0394** < 0.1000 adding **num_HF_distance**

Cox regression -- Breslow method for ties

No. of subjects =	**605**	Number of obs =	**605**
No. of failures =	**28**		
Time at risk =	**28282**		
		LR chi2(**3**) =	**27.66**
Log likelihood =	**-164.90235**	Prob > chi2 =	**0.0000**

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_client_category	**8.229285**	**3.231251**	**5.37**	**0.000**	**3.811847**	**17.76596**
num_HF_type	**.527854**	**.166998**	**-2.02**	**0.043**	**.2839342**	**.9813181**
num_HF_distance	**1.908364**	**.5985748**	**2.06**	**0.039**	**1.031988**	**3.52897**

9 . stepwise, pe(0.20): stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance num_
> art_regimen num_hiv_care_appointment num_duration_on_art_months num_art_iterruption num_client_
> num_HF_type num_HF_volume num_facility_staffing num_art_refill_model num_cd4_count num_baselin
note: num_alcohl_use dropped because of estimability
note: num_art_iterruption dropped because of estimability
begin with empty model
p = **0.0000** < 0.2000 adding **num_client_category**
p = **0.0607** < 0.2000 adding **num_HF_type**
p = **0.0394** < 0.2000 adding **num_HF_distance**
p = **0.1909** < 0.2000 adding **num_art_refill_model**
p = **0.1868** < 0.2000 adding **gender**
p = **0.1362** < 0.2000 adding **num_age_cat**
p = **0.1005** < 0.2000 adding **num_duration_on_art_months**
p = **0.1447** < 0.2000 adding **num_baseline_llv**

Cox regression -- Breslow method for ties

No. of subjects =	**605**	Number of obs =	**605**
No. of failures =	**28**		
Time at risk =	**28282**		
		LR chi2(**8**) =	**39.14**
Log likelihood =	**-159.16503**	Prob > chi2 =	**0.0000**

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_client_category	**8.488296**	**3.713416**	**4.89**	**0.000**	**3.60115**	**20.00782**
num_HF_type	**.4550624**	**.1495243**	**-2.40**	**0.017**	**.2389919**	**.8664801**
num_HF_distance	**1.796301**	**.59463**	**1.77**	**0.077**	**.9388706**	**3.436787**
num_art_refill_model	**2.928088**	**2.237052**	**1.41**	**0.160**	**.655041**	**13.0888**
gender	**2.256994**	**.9125015**	**2.01**	**0.044**	**1.021857**	**4.985064**
num_age_cat	**.5196003**	**.1874797**	**-1.81**	**0.070**	**.2561786**	**1.053891**
num_duration_on_art_months	**1.490381**	**.3854467**	**1.54**	**0.123**	**.8977533**	**2.474215**
num_baseline_llv	**.3955572**	**.25155**	**-1.46**	**0.145**	**.1137359**	**1.375691**

10 . xi: stepwise, pe(0.20): stcox num_age_cat num_marital_status num_residence_lvl num_HF_distance
> num_art_regimen num_hiv_care_appointment num_duration_on_art_months num_art_iterruption num_cli
> ays2 num_HF_type num_HF_volume num_facility_staffing num_art_refill_model num_cd4_count num_bas
note: num_alcohl_use dropped because of estimability
note: num_art_iterruption dropped because of estimability
begin with empty model
p = **0.0000** < 0.2000 adding **num_client_category**
p = **0.0607** < 0.2000 adding **num_HF_type**
p = **0.0394** < 0.2000 adding **num_HF_distance**
p = **0.1909** < 0.2000 adding **num_art_refill_model**
p = **0.1868** < 0.2000 adding **gender**
p = **0.1362** < 0.2000 adding **num_age_cat**
p = **0.1005** < 0.2000 adding **num_duration_on_art_months**
p = **0.1447** < 0.2000 adding **num_baseline_llv**

Cox regression -- Breslow method for ties

No. of subjects =	**605**	Number of obs =	**605**
No. of failures =	**28**		
Time at risk =	**28282**		
		LR chi2(**8**) =	**39.14**
Log likelihood =	**-159.16503**	Prob > chi2 =	**0.0000**

_t	Haz. Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
num_client_category	**8.488296**	**3.713416**	**4.89**	**0.000**	**3.60115**	**20.00782**
num_HF_type	**.4550624**	**.1495243**	**-2.40**	**0.017**	**.2389919**	**.8664801**
num_HF_distance	**1.796301**	**.59463**	**1.77**	**0.077**	**.9388706**	**3.436787**
num_art_refill_model	**2.928088**	**2.237052**	**1.41**	**0.160**	**.655041**	**13.0888**
gender	**2.256994**	**.9125015**	**2.01**	**0.044**	**1.021857**	**4.985064**
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num_duration_on_art_months	**1.490381**	**.3854467**	**1.54**	**0.123**	**.8977533**	**2.474215**
num_baseline_llv	**.3955572**	**.25155**	**-1.46**	**0.145**	**.1137359**	**1.375691**

11 .