. mixed CMEP_ Tx##time age_yr_0 sex_0 || ID: , nolog

Number of obs = 471Number of groups = 175Mixed-effects ML regression Group variable: ID

Obs per group:

min = avg = max = 2.7

Wald chi2(7) = Prob > chi2 = 135.90 0.0000 Log likelihood = -1295.4745Prob > chi2

CMEP_	Coef.	Std. Err.	z	P> z	[95% Conf.	Interval]
Tx TranS-C	 3787526	.6542838	-0.58	0.563	-1.661125	.9036201
timepoint POST FU6	1.83559 2.341118	.4611028 .4790332	3.98 4.89	0.000	.9318452 1.40223	2.739335 3.280006
Tx#timepoint TranS-C#POST TranS-C#FU6	1.996845 1.83574	.6517062 .6723391	3.06 2.73	0.002 0.006	.7195247 .517979	3.274166 3.1535
age_yr_0 sex_0 _cons	2895171 .3720777 25.58818	.1530096 .5668456 2.368881	-1.89 0.66 10.80	0.058 0.512 0.000	5894103 7389193 20.94526	.0103762 1.483075 30.2311

Random-effect	s Parameters	Estimate	Std. Err.	[95% Conf.	Interval]
ID: Identity	var(_cons)	10.15033	1.44713	7.675818	13.42257
	var(Residual)	8.449383	.6901632	7.199412	9.916374

LR test vs. linear model: chibar2(01) = 126.82 Prob >= chibar2 = 0.0000

. contrast Tx#timepoint

Contrasts of marginal linear predictions

Margins : asbalanced

	df	chi2	P>chi2
CMEP_ Tx#timepoint	2	11.58	0.0031

. margins Tx#timepoint

Number of obs = 471 Predictive margins

Expression : Linear prediction, fixed portion, predict()

	Margin	Delta-method Std. Err.	z	P> z	[95% Conf.	Interval]
Tx#timepoint						
PE#PRE	21.5453	.4648897	46.34	0.000	20.63413	22.45647
PE#POST	23.38089	.4802547	48.68	0.000	22.43961	24.32217
PE#FU6	23.88642	.4975131	48.01	0.000	22.91131	24.86153
TranS-C#PRE	21.16655	.4600335	46.01	0.000	20.2649	22.0682
Trans-C#POST	24.99898	.4814572	51.92	0.000	24.05535	25.94262
TranS-C#FU6	25.34341	.4919951	51.51	0.000	24.37911	26.3077

. margins timepoint#Tx

Predictive margins Number of obs = 471

Expression : Linear prediction, fixed portion, predict()

	 Margin	Delta-method Std. Err.	z	P> z		Interval)
	Margin 	sta. EII.	Z	P> Z	[95% CONT.	Incervarj
timepoint#Tx						
PRE#PE	21.5453	.4648897	46.34	0.000	20.63413	22.45647
PRE#TranS-C	21.16655	.4600335	46.01	0.000	20.2649	22.0682
POST#PE	23.38089	.4802547	48.68	0.000	22.43961	24.32217
POST#TranS-C	24.99898	.4814572	51.92	0.000	24.05535	25.94262
FU6#PE	23.88642	.4975131	48.01	0.000	22.91131	24.86153
FU6#TranS-C	25.34341	.4919951	51.51	0.000	24.37911	26.3077

contrast timepoint@Tx

Contrasts of marginal linear predictions

Margins : asbalanced

	df	chi2	P>chi2
CMEP_ timepoint@Tx PE TranS-C Joint	2 2 4	27.62 101.13 128.70	0.0000 0.0000 0.0000

. contrast Tx@timepoint

Contrasts of marginal linear predictions

Margins : asbalanced

	df	chi2	P>chi2
CMEP_			
Tx@timepoint			
PRE	1	0.34	0.5627
POST	1	5.66	0.0174
FU6	1	4.33	0.0374
Joint	3	13.60	0.0035

. contrast Tx@timepoint, pveffects nowald

Contrasts of marginal linear predictions

Margins : asbalanced

	Contrast	Std. Err.	z	P> z
CMEP_ Tx@timepoint (TranS-C vs base) PRE (TranS-C vs base) POST (TranS-C vs base) FU6	3787526 1.618093 1.456987	.6542838 .6803454 .7000971	-0.58 2.38 2.08	0.563 0.017 0.037

. contrast timepoint@Tx, pveffects

 ${\tt Contrasts} \ {\tt of} \ {\tt marginal} \ {\tt linear} \ {\tt predictions}$

Margins : asbalanced

	df	chi2	P>chi2
CMEP_ timepoint@Tx PE TranS-C Joint	2 2 4	27.62 101.13 128.70	0.0000 0.0000 0.0000

	Contrast	Std. Err.	z	P> z
CMEP_ timepoint@Tx (POST vs base) PE (POST vs base) TranS-C	1.83559 3.832435	.4611028 .4606932	3.98 8.32	0.000
(FU6 vs base) PE (FU6 vs base) TranS-C	2.341118 4.176858	.4790332 .4719105	4.89 8.85	0.000

. contrast Tx#timepoint, pveffects

Contrasts of marginal linear predictions

Margins : asbalanced

	df	chi2	P>chi2
CMEP_ Tx#timepoint	2	11.58	0.0031

	Contrast	Std. Err.	z	P> z
CMEP_ Tx#timepoint (TranS-C vs base) (POST vs base) (TranS-C vs base) (FU6 vs base)	1.996845	.6517062	3.06	0.002
	1.83574	.6723391	2.73	0.006

- . \star this provides the estimate of the size of the interaction effect, SE, and a test of th > e significance of the interaction
- . marginsplot previous command was not margins r(301);
- . margins, over(time Tx)

Predictive margins Number of obs = 471

Expression : Linear prediction, fixed portion, predict()

over : timepoint Tx

. margins Tx@timepoint, contrast(nowald pveffects)

Contrasts of predictive margins

Expression : Linear prediction, fixed portion, predict()

	Contrast	Delta-method Std. Err.	z	P> z
Tx@timepoint (TranS-C vs base) PRE (TranS-C vs base) POST (TranS-C vs base) FU6	3787526 1.618093 1.456987	.6542838 .6803454 .7000971	-0.58 2.38 2.08	0.563 0.017 0.037

. contrast Tx@timepoint, pveffects

 ${\tt Contrasts} \ {\tt of} \ {\tt marginal} \ {\tt linear} \ {\tt predictions}$

Margins : asbalanced

	df	chi2	P>chi2
CMEP_	 		
Tx@timepoint			
PRE	1	0.34	0.5627
POST	j 1	5.66	0.0174
FU6	j 1	4.33	0.0374
Joint	j 3	13.60	0.0035
	•		

	Contrast	Std. Err.	z	P> z
CMEP_ Tx@timepoint (TranS-C vs base) PRE (TranS-C vs base) POST (TranS-C vs base) FU6	3787526	.6542838	-0.58	0.563
	1.618093	.6803454	2.38	0.017
	1.456987	.7000971	2.08	0.037