

Supplementary Table 2: Repeated measures analysis, linear mixed effect model of variables associated with cholesterol changes over 2 year follow-up in the TEAR trial (ESR model)

	TC		HDL-C		LDL-C		TC/HDL-C	
	Effect	p-value	Effect	p-value	Effect	p-value	Effect	p-value
ESR- per unit decrease	0.37	<0.001	0.14	<0.001	0.21	<0.001	0.00	0.220
Age- per year increase	1.10	<0.001	0.27	<0.001	0.69	<0.001	0.00	0.373
BMI- per unit increase	1.05	<0.001	-0.32	0.001	0.86	<0.001	0.03	<0.001
Treatment (overall)		0.343		0.002		0.068		<0.001
MTX + ETA vs TT	6.10	0.162	-4.39	0.002	7.89	0.023	0.24	<0.001
MTX vs TT	2.37	0.623	-4.95	0.002	6.48	0.082	0.27	<0.001
MTX + ETA vs MTX	3.73	0.367	0.56	0.673	1.41	0.654	-0.03	0.609
Female vs Male	16.64	<0.001	12.90	<0.001	6.09	0.110	-0.43	<0.001
Race (overall)		0.041		0.030		0.566		0.069
AA vs Caucasian	-12.26	0.084	1.38	0.544	-3.75	0.517	-0.25	0.036
Others vs Caucasian	-14.31	0.044	-5.75	0.012	-5.26	0.364	0.09	0.438
AA vs Others	2.06	0.829	7.13	0.020	1.51	0.846	-0.34	0.033
Baseline Smoking Yes vs No	8.71	0.049	-3.32	0.020	11.40	0.002	0.28	<0.001
Baseline Predisone Use Yes vs No	10.27	0.012	5.68	<0.001	4.24	0.206	-0.13	0.055
Baseline Statin User: CVD vs no CVD	-37.57	0.014	-5.42	0.271	-33.55	0.009	-0.44	0.087
Baseline No Statin: CVD vs no CVD	-16.35	0.222	-5.82	0.177	-11.75	0.284	0.07	0.766
Baseline CVD : stain vs no statin	-51.29	0.008	-3.96	0.523	-51.45	0.001	-0.68	0.035
Baseline No CVD : stain vs no statin	-30.07	<0.001	-4.35	0.104	-29.65	<0.001	-0.18	0.204
Baseline Statin User: diabetes vs no diabetes	-10.48	0.405	0.59	0.884	-8.34	0.424	-0.19	0.376
Baseline No Statin: diabetes vs no diabetes	-13.26	0.121	-3.04	0.269	-15.34	0.029	0.09	0.507
Baseline diabetes : stain vs no statin	-27.29	0.044	-0.73	0.867	-22.65	0.041	-0.46	0.043
Baseline No diabetes : stain vs no statin	-30.07	<0.001	-4.35	0.104	-29.65	<0.001	-0.18	0.204

Change in TC, HDL-C, LDL-C, and TC/HDL-C are shown per categorical variable or per unit change in continuous variables as specified. Only significant associations besides time are shown in the table ESR= erythrocyte sedimentation rate, BMI= body mass index, MTX = methotrexate, ETA= etanercept, TT= triple therapy, AA= African American, CVD = cardiovascular disease.