

Appendix 3: Exploration of missing data

810 out of 31968 (32 variables x 999 observations) data were missing (2.5%). Missing data at follow-up was 10.9% (546 of 4995 data, 5 variables x 999 observations). Fifteen out of 32 baseline and follow-up variables had one or more observations missing. Missing data did not differ between treatment groups for 10 of the 15 variables. However, there was a statistically significant difference in the proportion of missing data between groups for baseline height ($p=0.002$), and follow-up measurements of total cholesterol ($p=0.012$), HDL ($p<0.001$), systolic blood pressure ($p<0.001$) and HbA1c ($p=0.002$). (Missingness in these follow-up parameters will be very highly correlated as they were intended to be collected at the same study visit).

Parameters associated with missing follow-up data on total and HDL cholesterol, SBP and HbA1c included gender, age, smoking status and HbA1c at diagnosis, ethnicity, although overall there is a mixed picture, with some likely spurious findings without any clinically plausible causation (e.g. a significant association between height and probability of HDL measurement being missing).

Based on the above, it may be reasonable to conclude that the data are not MCAR, but may be MAR. However, it is not (ever) possible to rule out MNAR. Given the low overall proportion of missing data (2.5% overall, 10.9% at follow-up), we conclude that MI is a reasonable approach to imputing missing data, allowing use of data that would otherwise be discarded in a complete case analysis.

STATA output log follows.

```
-----
      name: <unnamed>
      log:  ExplorationofMissingness.smcl
    log type:  smcl
   opened on:  21 Feb 2017, 09:38:57

. import delimited "Unimputed_data.csv"
(33 vars, 999 obs)

.
. * change categorical to numeric
. gen male =0

. replace male = 1 if gender=="M"
(612 real changes made)

. drop gender

.
. gen diag_af = 0

. replace diag_af = 1 if diagnosisatrialfib == "Y"
(0 real changes made)

. drop diagnosisatrialfib

.
. gen diag_pvd = 0

. replace diag_pvd = 1 if diagnosispvd == "Y"
(0 real changes made)

. drop diagnosispvd

.
. misstable summ, gen(M_)

                                Obs<.
Variable |      Obs=.      Obs>.      Obs<. | Unique      Min      Max
        |-----+-----+-----+-----|-----+-----+-----|

```

weight	7	992	397	44.9	169.4
height	125	874	317	1.414	1.92
diagnosisc~l	19	980	65	2.2	9.2
diagnosishdl	23	976	154	.52	3.8
diagnosiss~p	3	996	254	90.33334	228
diagnosis~lc	21	978	90	4.1	15.3
currentchol	19	980	65	2.2	9.2
currenthdl	23	976	154	.52	3.8
currentsysbp	3	996	254	90.33334	228
currenthbalc	21	978	90	4.1	15.3
fusmoking	51	948	3	0	2
futotchol	109	890	53	2.1	8.8
fuhdl	138	861	152	.4	3.9
fusbp	124	875	214	.93	220
fuhbalc	124	875	63	3.8	13.4

```
.
. * descriptive analysis of missing data
. * by trial group
. tabulate group M_weight, chi2
```

Group	(weight>=.)		Total
	0	1	
1	497	4	501
2	495	3	498
Total	992	7	999

Pearson chi2(1) = 0.1379 Pr = 0.710

```
. tabulate group M_height, chi2
```

Group	(height>=.)		Total
	0	1	
1	422	79	501
2	452	46	498
Total	874	125	999

Pearson chi2(1) = 9.7328 Pr = 0.002

```
. tabulate group M_diagnosischol, chi2
```

Group	(diagnosischol>=.)		Total
	0	1	
1	488	13	501
2	492	6	498
Total	980	19	999

Pearson chi2(1) = 2.5863 Pr = 0.108

```
. tabulate group M_diagnosishdl, chi2
```

Group	(diagnosishdl>=.)		Total
	0	1	
1	486	15	501
2	490	8	498
Total	976	23	999

Pearson chi2(1) = 2.1378 Pr = 0.144

```
. tabulate group M_diagnosissysbp, chi2
```

Group	(diagnosissysbp>=.)		Total
	0	1	
1	499	2	501
2	497	1	498

Total | 996 3 | 999

Pearson chi2(1) = 0.3283 Pr = 0.567

. tabulate group M_diagnosishb1c, chi2

(diagnosishb1c>=.)			
Group	0	1	Total
1	489	12	501
2	489	9	498
Total	978	21	999

Pearson chi2(1) = 0.4196 Pr = 0.517

. tabulate group M_currentchol, chi2

(currentchol>=.)			
Group	0	1	Total
1	488	13	501
2	492	6	498
Total	980	19	999

Pearson chi2(1) = 2.5863 Pr = 0.108

. tabulate group M_currenthdl, chi2

(currenthdl>=.)			
Group	0	1	Total
1	486	15	501
2	490	8	498
Total	976	23	999

Pearson chi2(1) = 2.1378 Pr = 0.144

. tabulate group M_currentsysbp, chi2

(currentsysbp>=.)			
Group	0	1	Total
1	499	2	501
2	497	1	498
Total	996	3	999

Pearson chi2(1) = 0.3283 Pr = 0.567

. tabulate group M_currenthb1c, chi2

(currenthb1c>=.)			
Group	0	1	Total
1	489	12	501
2	489	9	498
Total	978	21	999

Pearson chi2(1) = 0.4196 Pr = 0.517

. tabulate group M_fusmoking, chi2

(fusmoking>=.)			
Group	0	1	Total
1	470	31	501
2	478	20	498
Total	948	51	999

Pearson chi2(1) = 2.4311 Pr = 0.119

. tabulate group M_futotchol, chi2

Group	(futotchol>=.)		Total
	0	1	
1	434	67	501
2	456	42	498
Total	890	109	999

Pearson chi2(1) = 6.2688 Pr = 0.012

. tabulate group M_fuhdl, chi2

Group	(fuhdl>=.)		Total
	0	1	
1	409	92	501
2	452	46	498
Total	861	138	999

Pearson chi2(1) = 17.4720 Pr = 0.000

. tabulate group M_fusbp, chi2

Group	(fusbp>=.)		Total
	0	1	
1	417	84	501
2	458	40	498
Total	875	124	999

Pearson chi2(1) = 17.5252 Pr = 0.000

. tabulate group M_fuhbald, chi2

Group	(fuhbald>=.)		Total
	0	1	
1	423	78	501
2	452	46	498
Total	875	124	999

Pearson chi2(1) = 9.2103 Pr = 0.002

```
.
. * association between missingness and baseline variables & observed outcomes
. logit M_fusmoking i.group i.ethnicity i.male age durationofdiabetes weight height i.dia
> g_af i.diag_pvd i.diagnosis smoking diagnosischol diagnosis hdl diagnosis systbp diagnosis h
> bldc i.currentsmoking currentchol currenthdl currentsysbp currenthbldc preexistingihd p
> reexistingchf preexistingamp preexistingblind preexistingrenal preexistingstroke preexi
> stingmi
```

note: 1.ethnicity != 1 predicts failure perfectly
1.ethnicity dropped and 75 obs not used

note: preexistingstroke != 0 predicts failure perfectly
preexistingstroke dropped and 18 obs not used

note: preexistingmi != 0 predicts failure perfectly
preexistingmi dropped and 43 obs not used

note: 2.ethnicity omitted because of collinearity
note: 3.ethnicity omitted because of collinearity
note: durationofdiabetes omitted because of collinearity
note: 0.diag_af omitted because of collinearity
note: 0.diag_pvd omitted because of collinearity
note: 1.currentsmoking omitted because of collinearity
note: 2.currentsmoking omitted because of collinearity
note: currentchol omitted because of collinearity
note: currenthdl omitted because of collinearity
note: currentsysbp omitted because of collinearity
note: currenthbldc omitted because of collinearity
note: preexistingihd omitted because of collinearity
note: preexistingchf omitted because of collinearity

note: preexistingamp omitted because of collinearity
 note: preexistingblind omitted because of collinearity
 note: preexistingrenal omitted because of collinearity
 Iteration 0: log likelihood = -104.67557
 Iteration 1: log likelihood = -100.22295
 Iteration 2: log likelihood = -99.016378
 Iteration 3: log likelihood = -99.012197
 Iteration 4: log likelihood = -99.012196

Logistic regression

Number of obs	=	704
LR chi2(11)	=	11.33
Prob > chi2	=	0.4163
Pseudo R2	=	0.0541

Log likelihood = -99.012196

M_fusmoking	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
2.group	-.4369343	.426696	-1.02	0.306	-1.273243	.3993744
ethnicity						
2	0	(empty)				
3	0	(empty)				
1.male	.5959359	.6852547	0.87	0.384	-.7471386	1.93901
age	.0068199	.0327479	0.21	0.835	-.0573648	.0710047
durationofdiabetes	0	(omitted)				
weight	.0054153	.0146481	0.37	0.712	-.0232945	.0341252
height	-.6735042	3.406297	-0.20	0.843	-7.349724	6.002716
0.diag_af	0	(omitted)				
0.diag_pvd	0	(omitted)				
diagnosisismoking						
1	-.1189077	.5426201	-0.22	0.827	-1.182424	.9446082
2	.9886518	.5306364	1.86	0.062	-.0513765	2.02868
diagnosisischol	-.2643285	.1965389	-1.34	0.179	-.6495377	.1208807
diagnosisishdl	-.4479791	.7774532	-0.58	0.564	-1.971759	1.075801
diagnosisissysbp	.0037443	.0112236	0.33	0.739	-.0182535	.0257422
diagnosisishbalc	.0145227	.1199981	0.12	0.904	-.2206692	.2497145
currentsmoking						
1	0	(omitted)				
2	0	(omitted)				
currentchol	0	(omitted)				
currenthdl	0	(omitted)				
currentsysbp	0	(omitted)				
currenthbalc	0	(omitted)				
preexistingihd	0	(omitted)				
preexistingchf	0	(omitted)				
preexistingamp	0	(omitted)				
preexistingblind	0	(omitted)				
preexistingrenal	0	(omitted)				
preexistingstroke	0	(omitted)				
preexistingmi	0	(omitted)				
_cons	-2.245222	6.202811	-0.36	0.717	-14.40251	9.912064

```
. logit M_futotchol i.group i.ethnicity i.male age durationofdiabetes weight height i.diag_af i.diag_pvd i.diagnosisismoking diagnosisischol diagnosisishdl diagnosisissysbp diagnosisishbalc i.currentsmoking currentchol currenthdl currentsysbp currenthbalc preexistingihd preexistingchf preexistingamp preexistingblind preexistingrenal preexistingstroke preexistingmi
```

note: 2.ethnicity != 0 predicts failure perfectly
 2.ethnicity dropped and 11 obs not used

note: durationofdiabetes omitted because of collinearity
 note: 0.diag_af omitted because of collinearity
 note: 0.diag_pvd omitted because of collinearity
 note: 1.currentsmoking omitted because of collinearity
 note: 2.currentsmoking omitted because of collinearity
 note: currentchol omitted because of collinearity
 note: currenthdl omitted because of collinearity
 note: currentsysbp omitted because of collinearity
 note: currenthbalc omitted because of collinearity
 note: preexistingihd omitted because of collinearity

note: preexistingchf omitted because of collinearity
 note: preexistingamp omitted because of collinearity
 note: preexistingblind omitted because of collinearity
 note: preexistingrenal omitted because of collinearity
 Iteration 0: log likelihood = -86.740425
 Iteration 1: log likelihood = -78.864431
 Iteration 2: log likelihood = -74.632087
 Iteration 3: log likelihood = -74.577762
 Iteration 4: log likelihood = -74.577679
 Iteration 5: log likelihood = -74.577679

Logistic regression

Number of obs	=	829
LR chi2(14)	=	24.33
Prob > chi2	=	0.0418
Pseudo R2	=	0.1402

Log likelihood = -74.577679

M_futotchol	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
2.group	.6055944	.5283212	1.15	0.252	-.4298962	1.641085
ethnicity						
2	0	(empty)				
3	1.855084	1.214619	1.53	0.127	-.5255253	4.235694
1.male	-1.774157	.7614911	-2.33	0.020	-3.266652	-.2816621
age	.1278512	.0527805	2.42	0.015	.0244033	.2312991
durationofdiabetes	0	(omitted)				
weight	.0145182	.0170165	0.85	0.394	-.0188336	.04787
height	4.867089	3.936642	1.24	0.216	-2.848587	12.58277
0.diag_af	0	(omitted)				
0.diag_pvd	0	(omitted)				
diagnosisismoking						
1	1.023356	.681976	1.50	0.133	-.3132925	2.360004
2	1.884861	.7276166	2.59	0.010	.4587584	3.310963
diagnosisichol	.1628792	.2125308	0.77	0.443	-.2536736	.579432
diagnosisihdl	.4883364	.6982475	0.70	0.484	-.8802036	1.856876
diagnosisissysbp	.0143141	.011474	1.25	0.212	-.0081745	.0368027
diagnosisihbalt	.1743563	.1285212	1.36	0.175	-.0775407	.4262532
currentsmoking						
1	0	(omitted)				
2	0	(omitted)				
currentchol	0	(omitted)				
currenthdl	0	(omitted)				
currentsysbp	0	(omitted)				
currenthbalt	0	(omitted)				
preexistingihd	0	(omitted)				
preexistingchf	0	(omitted)				
preexistingamp	0	(omitted)				
preexistingblind	0	(omitted)				
preexistingrenal	0	(omitted)				
preexistingstroke	.0475647	.1322037	0.36	0.719	-.2115498	.3066792
preexistingmi	.0004308	.0812079	0.01	0.996	-.1587337	.1595952
_cons	-26.72693	8.207629	-3.26	0.001	-42.81359	-10.64027

```
. logit M_fuhdl i.group i.ethnicity i.male age durationofdiabetes weight height i.diag_af
> i.diag_pvd i.diagnosisismoking diagnosisichol diagnosisihdl diagnosisissysbp diagnosisihbalt
> i.currentsmoking currentchol currenthdl currentsysbp currenthbalt preexistingihd preex
> istingchf preexistingamp preexistingblind preexistingrenal preexistingstroke preexistin
> gmi
```

note: 2.ethnicity != 0 predicts failure perfectly
 2.ethnicity dropped and 11 obs not used

note: durationofdiabetes omitted because of collinearity
 note: 0.diag_af omitted because of collinearity
 note: 0.diag_pvd omitted because of collinearity
 note: 1.currentsmoking omitted because of collinearity
 note: 2.currentsmoking omitted because of collinearity
 note: currentchol omitted because of collinearity
 note: currenthdl omitted because of collinearity
 note: currentsysbp omitted because of collinearity

note: currenthbalc omitted because of collinearity
 note: preexistingihd omitted because of collinearity
 note: preexistingchf omitted because of collinearity
 note: preexistingamp omitted because of collinearity
 note: preexistingblind omitted because of collinearity
 note: preexistingrenal omitted because of collinearity

Iteration 0: log likelihood = -145.02106
 Iteration 1: log likelihood = -137.00905
 Iteration 2: log likelihood = -135.5593
 Iteration 3: log likelihood = -135.55551
 Iteration 4: log likelihood = -135.5555

Logistic regression	Number of obs	=	829
	LR chi2(14)	=	18.93
	Prob > chi2	=	0.1676
Log likelihood = -135.5555	Pseudo R2	=	0.0653

M_fuhdl	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
2.group	-.5516725	.3616837	-1.53	0.127	-1.26056	.1572144
ethnicity						
2	0 (empty)					
3	-.3972339	1.093944	-0.36	0.717	-2.541325	1.746857
1.male	-1.301736	.5508324	-2.36	0.018	-2.381348	-.2221248
age	.0173194	.0294563	0.59	0.557	-.0404139	.0750528
durationofdiabetes	0 (omitted)					
weight	.0046728	.0120955	0.39	0.699	-.019034	.0283795
height	5.619519	2.861427	1.96	0.050	.0112243	11.22781
0.diag_af	0 (omitted)					
0.diag_pvd	0 (omitted)					
diagnosisismoking						
1	.5523239	.4510155	1.22	0.221	-.3316503	1.436298
2	1.140725	.4933152	2.31	0.021	.1738448	2.107605
diagnosisischol	-.16806	.160809	-1.05	0.296	-.4832399	.1471199
diagnosisishdl	.5487335	.5323884	1.03	0.303	-.4947285	1.592196
diagnosisissbp	.0105278	.0088739	1.19	0.235	-.0068648	.0279203
diagnosisishbalc	.0532259	.1014626	0.52	0.600	-.1456373	.252089
currentsmoking						
1	0 (omitted)					
2	0 (omitted)					
currentchol	0 (omitted)					
currenthdl	0 (omitted)					
currentsysbp	0 (omitted)					
currenthbalc	0 (omitted)					
preexistingihd	0 (omitted)					
preexistingchf	0 (omitted)					
preexistingamp	0 (omitted)					
preexistingblind	0 (omitted)					
preexistingrenal	0 (omitted)					
preexistingstroke	-.0110728	.1450093	-0.08	0.939	-.2952859	.2731402
preexistinggmi	-.0362379	.0844939	-0.43	0.668	-.2018428	.1293671
_cons	-15.20218	5.366486	-2.83	0.005	-25.7203	-4.68406

```
. logit M_fusbp i.group i.ethnicity i.male age durationofdiabetes weight height i.diag_af
> i.diag_pvd i.diagnosisismoking diagnosisischol diagnosisishdl diagnosisissbp diagnosisishbalc
> i.currentsmoking currentchol currenthdl currentsysbp currenthbalc preexistingihd preex
> istingchf preexistingamp preexistingblind preexistingrenal preexistingstroke preexistin
> gmi
```

note: 2.ethnicity != 0 predicts failure perfectly
 2.ethnicity dropped and 11 obs not used

note: preexistingstroke != 0 predicts failure perfectly
 preexistingstroke dropped and 18 obs not used

note: preexistinggmi != 0 predicts failure perfectly
 preexistinggmi dropped and 44 obs not used

note: durationofdiabetes omitted because of collinearity

note: 0.diag_af omitted because of collinearity
 note: 0.diag_pvd omitted because of collinearity
 note: 1.currentsmoking omitted because of collinearity
 note: 2.currentsmoking omitted because of collinearity
 note: currentchol omitted because of collinearity
 note: currenthdl omitted because of collinearity
 note: currentsysbp omitted because of collinearity
 note: currenthbalc omitted because of collinearity
 note: preexistingihd omitted because of collinearity
 note: preexistingchf omitted because of collinearity
 note: preexistingamp omitted because of collinearity
 note: preexistingblind omitted because of collinearity
 note: preexistingrenal omitted because of collinearity
 Iteration 0: log likelihood = -81.567845
 Iteration 1: log likelihood = -68.508296
 Iteration 2: log likelihood = -60.419285
 Iteration 3: log likelihood = -60.035641
 Iteration 4: log likelihood = -60.032374
 Iteration 5: log likelihood = -60.032374

Logistic regression

Number of obs	=	767
LR chi2(12)	=	43.07
Prob > chi2	=	0.0000
Pseudo R2	=	0.2640

Log likelihood = -60.032374

	M_fusbp	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
2.group		-.9131446	.605406	-1.51	0.131	-2.099719	.2734295
ethnicity							
2		0 (empty)					
3		4.315916	.9033088	4.78	0.000	2.545463	6.086368
1.male		-.8184545	.7601726	-1.08	0.282	-2.308365	.6714565
age		.0980135	.0456757	2.15	0.032	.0084907	.1875362
durationofdiabetes		0 (omitted)					
weight		-.0030261	.017827	-0.17	0.865	-.0379664	.0319142
height		1.316118	4.518181	0.29	0.771	-7.539354	10.17159
0.diag_af		0 (omitted)					
0.diag_pvd		0 (omitted)					
diagnosisismoking							
1		.352746	.8390663	0.42	0.674	-1.291794	1.997286
2		1.800109	.7406252	2.43	0.015	.34851	3.251707
diagnosisischol		.143628	.2561239	0.56	0.575	-.3583656	.6456216
diagnosisishdl		1.000652	.861717	1.16	0.246	-.6882825	2.689586
diagnosisissysbp		-.010975	.0163859	-0.67	0.503	-.0430907	.0211407
diagnosisishbalc		.3939303	.1562118	2.52	0.012	.0877608	.7000999
currentsmoking							
1		0 (omitted)					
2		0 (omitted)					
currentchol		0 (omitted)					
currenthdl		0 (omitted)					
currentsysbp		0 (omitted)					
currenthbalc		0 (omitted)					
preexistingihd		0 (omitted)					
preexistingchf		0 (omitted)					
preexistingamp		0 (omitted)					
preexistingblind		0 (omitted)					
preexistingrenal		0 (omitted)					
preexistingstroke		0 (omitted)					
preexistingmi		0 (omitted)					
_cons		-16.07387	8.862739	-1.81	0.070	-33.44452	1.296782

```
. logit M_fuhbalc i.group i.ethnicity i.male age durationofdiabetes weight height i.diag_
> af i.diag_pvd i.diagnosisismoking diagnosisischol diagnosisishdl diagnosisissysbp diagnosisishba
> lc i.currentsmoking currentchol currenthdl currentsysbp currenthbalc preexistingihd pre
> existingchf preexistingamp preexistingblind preexistingrenal preexistingstroke preexist
> ingmi
```

note: 2.ethnicity != 0 predicts failure perfectly
 2.ethnicity dropped and 11 obs not used

note: preexistingmi != 0 predicts failure perfectly
preexistingmi dropped and 47 obs not used

note: durationofdiabetes omitted because of collinearity
note: 0.diag_af omitted because of collinearity
note: 0.diag_pvd omitted because of collinearity
note: 1.currentsmoking omitted because of collinearity
note: 2.currentsmoking omitted because of collinearity
note: currentchol omitted because of collinearity
note: currenthdl omitted because of collinearity
note: currentsysbp omitted because of collinearity
note: currenthbalc omitted because of collinearity
note: preexistingihd omitted because of collinearity
note: preexistingchf omitted because of collinearity
note: preexistingamp omitted because of collinearity
note: preexistingblind omitted because of collinearity
note: preexistingrenal omitted because of collinearity

Iteration 0: log likelihood = -136.75016
Iteration 1: log likelihood = -133.02949
Iteration 2: log likelihood = -118.99277
Iteration 3: log likelihood = -118.70479
Iteration 4: log likelihood = -118.70386
Iteration 5: log likelihood = -118.70386

Logistic regression	Number of obs	=	782
	LR chi2(13)	=	36.09
	Prob > chi2	=	0.0006
Log likelihood = -118.70386	Pseudo R2	=	0.1320

	M_fuhbalc	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
2.group		-.0584053	.3870503	-0.15	0.880	-.8170098	.7001993
ethnicity							
2		0 (empty)					
3		3.242644	.6263551	5.18	0.000	2.015011	4.470277
1.male		-1.271986	.5590786	-2.28	0.023	-2.36776	-.1762125
age		.0834566	.0327163	2.55	0.011	.0193338	.1475794
durationofdiabetes		0 (omitted)					
weight		.0091622	.0123752	0.74	0.459	-.0150929	.0334172
height		4.75904	3.074451	1.55	0.122	-1.266772	10.78485
0.diag_af		0 (omitted)					
0.diag_pvd		0 (omitted)					
diagnosisismoking							
1		.4008047	.5096235	0.79	0.432	-.5980389	1.399648
2		1.386312	.5194204	2.67	0.008	.3682664	2.404357
diagnosisischol		.0333093	.1715088	0.19	0.846	-.3028419	.3694604
diagnosisishdl		.5690557	.5785333	0.98	0.325	-.5648486	1.70296
diagnosisissysbp		.0113376	.0096713	1.17	0.241	-.0076177	.030293
diagnosisishbalc		.1466052	.1065584	1.38	0.169	-.0622454	.3554557
currentsmoking							
1		0 (omitted)					
2		0 (omitted)					
currentchol		0 (omitted)					
currenthdl		0 (omitted)					
currentsysbp		0 (omitted)					
currenthbalc		0 (omitted)					
preexistingihd		0 (omitted)					
preexistingchf		0 (omitted)					
preexistingamp		0 (omitted)					
preexistingblind		0 (omitted)					
preexistingrenal		0 (omitted)					
preexistingstroke		.0277705	.1338047	0.21	0.836	-.2344818	.2900228
preexistingmi		0 (omitted)					
_cons		-20.91242	6.064717	-3.45	0.001	-32.79905	-9.025794

```
. log close
name: <unnamed>
```

log: ExplorationofMissingness.smcl
log type: smcl
closed on: 21 Feb 2017, 09:38:58