

FAFUY16 - NOTES

(Follow-Up Data at Year 16)

This data set contains data from follow-up contacts made at Years 16 (Month 192 annual contact).

Variables are selected from the CARDIA Scheduling and Follow up System and the following changes were made for public use distribution.

. The following variables were transformed (listed by type of variable):

*Date:* FM192DAT, FM192RSP

*Dichotomous:* FY192AHC, FY192DBT, FY192TIA, FY192PVD, FY192HRT,  
FY192AGA, FY192HAK, FY192HFL, FY192LNG, FY192EMP, FY192CB, FY192ASM,  
FY192KDY, FY192KFL, FY192PE, FY192DVT, FY192BCL

CARDIA PUBLIC USE DATA - VERSION A. 5

Data Set Name	NEW.FAFUY16	Observations	4123
Member Type	DATA	Vari ables	30
Engine	V608	Indexes	0
Created	Friday, August 31, 2007 12: 24: 51 PM	Observation Length	228
Last Modified	Friday, August 31, 2007 12: 24: 51 PM	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	Default		
Encoding	Default		

Engine/Host Dependent Information

Data Set Page Size	16384
Number of Data Set Pages	59
First Data Page	1
Max Obs per Page	71
Obs in First Data Page	54
Number of Data Set Repairs	0
File Name	Q: \YKIM\Pub\fuY16\OutData\fafuy16. sd2
Release Created	9. 01. 01M
Host Created	WIN

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Informat	Label
5	FM192ADD	Char	4		ADDRESS STATUS
2	FM192DAT	Num	8	DATE9.	DATE OF FOLLOW-UP
6	FM192DIS	Char	4		DISTANCE MOVED FROM CLINIC
4	FM192MOD	Char	4		MODE OF RESPONSE
3	FM192RSP	Num	8	DATE9.	DATE OF RESPONSE
18	FY192AGA	Num	8		ANGINA OR CHEST PAINS?
8	FY192AHC	Num	8		ANGIOGRAM/HEART CATH PAST YEAR
24	FY192ASM	Num	8		ASTHMA?
29	FY192BCL	Num	8		BLOOD CLOT?
23	FY192CB	Num	8		CHRONIC BRONCHITIS?
14	FY192DBT	Num	8		DIABETES?
10	FY192DOC	Num	8		DOCTOR/CLINIC VISIT IN PAST YR

11	FY192DOX	Num	8	# OF TIMES VISIT DOCTOR/CLINIC
28	FY192DVT	Num	8	LEGS/DEEP VENOUS THROMBOSIS?
22	FY192EMP	Num	8	EMPHYSEMA?
19	FY192HAK	Num	8	HEART ATTACK?
12	FY192HBP	Num	8	HIGH BLOOD PRESSURE?
13	FY192HCH	Num	8	HIGH CHOLESTEROL?
20	FY192HFL	Num	8	HEART FAILURE?
17	FY192HRT	Num	8	HEART PROBLEM?
25	FY192KDY	Num	8	KIDNEY PROBLEMS?
26	FY192KFL	Num	8	KIDNEY FAILURE?
21	FY192LNG	Num	8	LUNG DISEASE?
27	FY192PE	Num	8	LUNG/PULMONARY EMBOLUS?
9	FY192PMT	Num	8	PERMISSION TO OBTAIN RECORDS
7	FY192PT	Num	8	HOSP PT OVERNIGHT IN PAST YR
16	FY192PVD	Num	8	PERIPHERAL VASCULAR DISEASE?
30	FY192SMK	Num	8	# OF CIGS/DAY
15	FY192TIA	Num	8	STROKE OR TIA?
1	PID	Num	8	

```
* FAFUY16.SAS;
* Template program for creating public use datasets;
* This calls different macros to transform those variables so identified;
```

```
options ps=59 ls=75 macrogen nodate nonumber;
```

```
libname y15 'Q:\SAS\V8\Y15';
libname new v608 'Q:\YKIM\Pub\fuY16\OutData';
libname id v608 'Q:\SAS\PUB';
```

```
%include 'Q:\SAS\PUB\dichx.sas'/source2;
*%include 'd:\sas\pud\contx.sas';
%include 'Q:\SAS\PUB\datex_yk.sas'/source2;
%include 'Q:\SAS\PUB\polyx.sas'/source2;
```

```
/* follow-up contact month 192 */
```

```
PROC IMPORT OUT=PreFU192
      DATAFILE="Q:\YKIM\Pub\fuY16\indata\FU_192.xls"
      DBMS=EXCEL REPLACE;
      SHEET="FU192";
      GETNAMES=YES;
      MIXED=YES;
      SCANTEXT=YES;
      USEDATE=YES;
      SCANTIME=YES;
```

```
RUN;
```

```
DATA FU192a_; SET PreFU192 (RENAME=(ID = ID2 Addr_Status=FM192ADD
Distance_Mvd=FM192DIS Resp_Mode=FM192MOD));
ID= input(compress(ID2, '-'), 12.);
```

```
Rename Flw_Date = FM192DAT
      Resp_Date = FM192RSP;
```

```
format Flw_Date Resp_Date date7.;
```

```
array new{*} $ FM192MOD FM192ADD FM192DIS;
do i=1 to dim(new);
  if new{i}= 'NULL' then new{i} = '';
end;
```

```
drop id2 Flw_Month queststatus i;
if Resp_Date ne .; *n=4185;
```

```
  LABEL Flw_Date = 'DATE OF FOLLOW-UP'
        Resp_Date = 'DATE OF RESPONSE'
        FM192MOD = 'MODE OF RESPONSE'
        FM192ADD = 'ADDRESS STATUS'
        FM192DIS = 'DISTANCE MOVED FROM CLINIC';
```

```
run;
```

```
data FU192a; set FU192a_;
```

```

*n=134 deleted due to missing information;
if FM192MOD in('M','Z',' ') and FM192ADD eq 'M' and FM192DIS in('M',' ') then
delete;
format FM192MOD FM192ADD FM192DIS;
informat FM192MOD FM192ADD FM192DIS;
Proc sort data=FU192a; by id; Run;

proc freq data=FU192a_;
table FM192MOD*FM192ADD*FM192DIS/list missing; run;

/* follow-up contact month 192 */
PROC IMPORT OUT=PreCT192

DATAFILE="Q:\YKIM\Pub\fuY16\indata\CARDIA_192MFollowUp_20070830.xls"
      DBMS=EXCEL REPLACE;
      SHEET="Sheet1";
      GETNAMES=YES;
      MIXED=YES;
      SCANTEXT=YES;
      USEDATE=YES;
      SCANTIME=YES;
RUN;

Data FU192b; set PreCT192;

array old $  HOSP192  ANG192  PERM192  VST193  HMT193  HBP193  HBC193
             DIAB193  TIA193  VASC193  HRT193  CHST193  HATK193  FAIL193
             LUNG193  EMP193  CHR193  ASTH193  KIDN193  KDF193  PULM193
             DEEP193  CLOT193  SMK193;

array new    FY192PT  FY192AHC  FY192PMT  FY192DOC  FY192DOX  FY192HBP  FY192HCH
             FY192DBT  FY192TIA  FY192PVD  FY192HRT  FY192AGA  FY192HAK  FY192HFL
             FY192LNG  FY192EMP  FY192CB   FY192ASM  FY192KDY  FY192KFL  FY192PE
             FY192DVT  FY192BCL  FY192SMK;

ID = input (pid,12.);

* Most of date are missing;
/*if id = 200192617208 and DT192 = '07/00/2001' then DT192 = '07/01/2001';*/
/*if DT192 ne '01/01/1899' then do;*/
/*FY192DAT = input(DT192, mmddy10.); end;*/

do i=1 to dim(new);
  new{i} = input (old{i},8.);
  if new{i} < 0 then new{i} = .;
end;

keep ID FY192PT FY192AHC FY192PMT FY192DOC FY192DOX FY192HBP FY192HCH FY192DBT
      FY192TIA FY192PVD FY192HRT FY192AGA
      FY192HAK  FY192HFL FY192LNG FY192EMP FY192CB FY192ASM FY192KDY FY192KFL
      FY192PE FY192DVT FY192BCL FY192SMK /*FY192DAT*/;

```

```

if ID ne .;

run;
Proc sort data=FU192b; by id; Run;

/*proc freq data=FU192b; run;*/

data Temp; merge id.pid
                FU192a (in=a)
                FU192b (in=b);
by id; if a or b;
run;

%datex(fm192dat);
%datex(fm192rsp);

%dichx(FY192PT);
%dichx(FY192AHC);
%dichx(FY192PMT);
%dichx(FY192DOC);
%dichx(FY192HBP);
%dichx(FY192HCH);
%dichx(FY192DBT);
%dichx(FY192TIA);
%dichx(FY192PVD);
%dichx(FY192HRT);
%dichx(FY192AGA);
%dichx(FY192HAK);
%dichx(FY192HFL);
%dichx(FY192LNG);
%dichx(FY192EMP);
%dichx(FY192CB);
%dichx(FY192ASM);
%dichx(FY192KDY);
%dichx(FY192KFL);
%dichx(FY192PE);
%dichx(FY192DVT);
%dichx(FY192BCL);

proc sort data=temp; by pid;
run;

data new.fafuy16;
  set temp;

if gr=' ' then delete;
label
  FY192PT='HOSP PT OVERNIGHT IN PAST YR'
  FY192AHC='ANGIOGRAM/HEART CATH PAST YEAR'
  FY192PMT='PERMISSION TO OBTAIN RECORDS'
  FY192DOC='DOCTOR/CLINIC VISIT IN PAST YR'
  FY192DOX='# OF TIMES VISIT DOCTOR/CLINIC'

```

```

FY192HBP='HIGH BLOOD PRESSURE?'
FY192HCH='HIGH CHOLESTEROL?'
FY192DBT='DIABETES?'
FY192TIA='STROKE OR TIA?'
FY192PVD='PERIPHERAL VASCULAR DISEASE?'
FY192HRT='HEART PROBLEM?'
FY192AGA='ANGINA OR CHEST PAINS?'
FY192HAK='HEART ATTACK?'
FY192HFL='HEART FAILURE?'
FY192LNG='LUNG DISEASE?'
FY192EMP='EMPHYSEMA?'
FY192CB='CHRONIC BRONCHITIS?'
FY192ASM='ASTHMA?'
FY192BCL='BLOOD CLOT?'
FY192KDY='KIDNEY PROBLEMS?'
FY192KFL='KIDNEY FAILURE?'
FY192PE='LUNG/PULMONARY EMBOLUS?'
FY192DVT='LEGS/DEEP VENOUS THROMBOSIS?'
FY192SMK='# OF CIGS/DAY'
;

*For the dichotomous items on the 192-mo questionnaire, set '0' to missing;
array dich  FY192PT  FY192AHC FY192PMT FY192DOC FY192DOX FY192HBP FY192HCH
            FY192DBT FY192TIA FY192PVD FY192HRT FY192AGA FY192HAK FY192HFL
            FY192LNG FY192EMP FY192CB  FY192ASM FY192KDY FY192KFL FY192PE
            FY192DVT FY192BCL ;

do i=1 to DIM(dich);
  IF dich(i) in (0) then dich(i)=.;
end;

* Delete CARDIA ID variables;
drop id gr i shortid short_id;

proc contents;
  title 'CARDIA PUBLIC USE DATA - VERSION A.5';
run;

proc freq; run;

```