

YAMORBID - NOTES

(Adjudicated Hospitalization Morbidity Endpoints)

Endpoint Data Collection

Morbidity endpoints are determined through an abstraction and review process using records representing hospitalizations of 24 hours or more. Records are identified from codes assigned to self-reports of hospitalizations obtained during examinations or annual follow-up contacts. Records are forwarded to the Coordinating Center for abstraction and assignment of ICD-9 codes, triage to determine probable endpoints, and final abstraction and review.

During the abstraction and review process, two reviewers evaluate each record. Any differences are adjudicated and final endpoint classification determined. Included in this dataset are only the final classifications.

Identifying Unique Data Records

This file contains one data record for each hospitalization. Unique records may be determined using 3 variables: ID, YTCNT (contact period), and YTHNUM (hospitalization number). These records may also be linked to the self-report on Form 31 or the follow-up questionnaires using this information. Hospitalization number refers to the order in which the participant reported multiple hospitalizations at any given contact period. Values for YTCNT are as follows:

FU012 = 12-month Follow-up Contact
FU036 = 36-month Follow-up Contact
FU048 = 48-month Follow-up Contact
FU072 = 72-month Follow-up Contact
FU096 = 96-month Follow-up Contact
FU108 = 108-month Follow-up Contact
FU132 = 132-month Follow-up Contact
FU144 = 144-month Follow-up Contact
YR02 = Year 2 Exam
YR05 = Year 5 Exam

YR07 = Year 7 Exam

YR10 = Year 10 Exam

Data Included for Public Use Distribution

For all endpoints, there are fewer than 20 participants in any race-gender group that have an identified endpoint. Therefore, information about endpoint is not provided within this dataset. The table below provides information about the frequency of each endpoint within race-gender group.

Number (%) of definite and probable morbid endpoints (determined from Endpoints Committee review) through Year 12 by race and gender

Morbid Endpoint	Black		White		Overall
	Black Men	Women	White Men	Women	
Myocardial infarction	1 (6)	0 (0)	1 (5)	0 (0)	2 (2)
Angina pectoris	1 (6)	1 (3)	2 (10)	0 (0)	4 (5)
Congestive heart failure	1 (6)	2 (5)	0 (0)	0 (0)	3 (3)
Stroke	3 (19)	1 (3)	1 (5)	1 (6)	6 (7)
TIA	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Carotid artery disease	0 (0)	1 (3)	0 (0)	0 (0)	1 (1)
Peripheral vascular disease	0 (0)	1 (3)	0 (0)	0 (0)	1 (1)
Deep venous thrombosis/ Pulmonary embolus	0 (0)	1 (3)	1 (5)	4 (25)	6 (7)
Diabetes mellitus (does not include gestational diabetes)	4 (25)	12 (32)	9 (47)	7 (44)	32 (36)
Asthma	3 (19)	12 (32)	3 (16)	2 (13)	20 (22)
Hypertension	9 (56)	15 (39)	3 (16)	0 (0)	27 (30)
Hypercholesterolemia	2 (12)	1 (3)	4 (21)	2 (13)	9 (10)
Number of hospitalizations	16	38	19	16	89
Number of participants	15	29	13	12	69

Note. Participants may experience multiple endpoints. Multiple occurrences of the same endpoint are included in this table, as the unit of analysis is hospitalization. Endpoints for which review could not be determined are not included in this table.

Transformed Variables

YTADMDT, the date of admittance, is recoded to number of months relative to the Year 0 (Baseline) Examination date. This rule is intended to retain the chronological nature of events while obscuring the actual calendar time, following the guidelines developed for all CARDIA publicly released data.

CARDIA PUBLIC USE DATA - VERSION A. 5

The CONTENTS Procedure

Data Set Name:	OUT. YAMORPID	Observations:	89
Member Type:	DATA	Variables:	4
Engine:	V608	Indexes:	0
Created:	14:15 Tuesday, September 30, 2003	Observation Length:	29
Last Modified:	14:15 Tuesday, September 30, 2003	Deleted Observations:	0
Protection:		Compressed:	NO
Data Set Type:		Sorted:	NO
Label:			

-----Engine/Host Dependent Information-----

Data Set Page Size:	4096
Number of Data Set Pages:	1
First Data Page:	1
Max Obs per Page:	140
Obs in First Data Page:	89
Number of Data Set Repairs:	0
File Name:	c:\hmcceath\sas\pud\200309\yamorbid.sd2
Release Created:	6.08.00
Host Created:	WIN

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
ff					
4	PID	Num	8	21	
3	YTADMDT	Num	8	13	HOSPITAL ADMISSION DATE
2	YTCNT	Char	5	8	STUDY CONTACT PERIOD
1	YTHNUM	Num	8	0	HOSPITAL REPORT NUMBER

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* YAMORBID.SAS;
* Create public use morbidity dataset;
* H. McCreath 12/2001;
* Revised 09/2003;

options ps=59 ls=75 nonumber nodate macrogen;
/*
LIBNAME orig v612 'q:\sas\mm\morbadj';

LIBNAME out v608 'q:\sas\pub\200209mm';
LIBNAME y15 v608 'q:\sas\ver61\data';
libname pud v608 'q:\sas\pub';
*/
LIBNAME orig v612 'c:\hmccreath\sas\mandm\sc0403';

LIBNAME out v608 'c:\hmccreath\sas\pub\200309';
LIBNAME y15 v608 'c:\hmccreath\sas\ver61\data';
libname pud v608 'c:\hmccreath\sas\pub';

data temp;
set orig.ylmorbid;
  hospdate = INPUT(ytadmdt,MMDDYY10.);
  format hospdate date9.;
drop ytadmdt;
run;

data temp2;
set temp;
rename hospdate=YTADMDT;

data ylmorbid;
set temp2;
LABEL YTADMDT='HOSPITAL ADMISSION DATE';
run;

proc format;
  value race 4='BLACK'
           5='WHITE';
  value sex 1='MEN'
           2='WOMEN';
  value ep 1='NO'
           2='DEFINITE'
           3='PROBABLE'
           4='ABORTED'
           8='UNK/NOT SURE';
run;

%include 'c:\hmccreath\sas\pub\datex.sas';

data temp;
  merge ylmorbid (in=inmorb)
        y15.flref (keep=id race sex);
  by id;

if inmorb;

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keep id ytadmdt ytcnt ythnum y01mi y01angin y01chf y01strok y01tia
    y01cad y01pad y01vtd y01diab y01lasthm y01htn y01hcho race sex;

* KEEP ONLY THOSE THROUGH YEAR 12;
if ytcnt in('YR15','FU156','FU168','FU192','FU204','FU216') then delete;

proc print;
    var id ytcnt ythnum ytadmdt;
run;

proc freq;
    table ytcnt ythnum;
    table race*sex/list;
    table race*sex*(y01mi y01angin y01chf y01strok y01tia y01cad y01pad
        y01vtd y01diab y01lasthm y01htn y01hcho)/list;
    format race race. sex sex.
        y01mi y01angin y01chf y01strok y01tia y01cad y01pad
        y01vtd y01diab y01lasthm y01htn y01hcho ep.;
    title 'ADJUDICATED MORBIDITY RECORDS THROUGH MOST RECENT EXTRACTION';
    title3 'ENDPOINT VALUES BY PPT RACE AND SEX';
run;

%datex(YTADMDT);

data out.yamorbid;
    merge temp (in=inmorbid)
        pud.pid;
    by id;

if GR=' ' then delete;
IF YTCNT=' ' THEN DELETE;

* Cell sizes not large enough to keep info about endpoints;
keep pid ytcnt ythnum ytadmdt;
if inmorbid;

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

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