\*combine 2005-2008 datasets;

**data** mylib.nsqip\_combined; set mylib.acs\_nsqip\_puf08 mylib.acs\_nsqip\_puf07 mylib.ACS\_NSQIP\_PPUF\_05\_06\_vr1;

\*recode race covariate for consistency between datasets;

length race $32.;

label race='Race';

if race\_new ='White' and ethnicity\_hispanic ='Yes' then race='Hispanic, White';

if race\_new ='White' and ethnicity\_hispanic ='No' then race='White, Not of Hispanic Origin';

if race\_new ='Black or African American' and ethnicity\_hispanic ='Yes' then race = 'Hispanic, Black';

if race\_new ='Black or African American' and ethnicity\_hispanic ='No' then race = 'Black, Not of Hispanic Origin';

if race\_new ='American Indian or Alaska Native' then race = 'American Indian or Alaska Native';

if race\_new in ('Native Hawaiian or Pacific Islander','Asian') then race = 'Asian or Pacific Islander';

if race\_new ='Unknown' and ethnicity\_hispanic ='Yes' then race='Hispanic, Color Unknown';

if race\_new ='Unknown' and ethnicity\_hispanic ='No' then race='Unknown';

**run**;

\*yes/no diabetes identifier;

**data** data mylib.nsqip\_combined; set mylib.nsqip\_combined;

if diabetes='NO' then diabetes\_rev=**0**;

else if diabetes='ORAL' then diabetes\_rev=**1**;

else if diabetes='INSULIN' then diabetes\_rev=**1**;**run**;

\*mortality yes/no identifier;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

mortality=**1**;

if dopertod='-99' then mortality=**0**;**run**;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

\*age>90 categorical identifier;

over90=**0**;

if age='90+' then over90=**1**;**run**;

\*clean continous variables;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

if prhct='-99' then hct\_rev=**.**;

else if prhct ne '-99' then hct\_rev=prhct+**0**;

if prcreat='-99' then creat\_rev=**.**;

else if prcreat ne '-99' then creat\_rev=prcreat+**0**;

if pralbum='-99' then alb\_rev=**.**;

else if pralbum ne '-99' then alb\_rev=pralbum+**0**;

if weight='-99' then weight\_rev=**.**;

else if weight ne '-99' then weight\_rev=weight+**0**;

if emergncy='Yes' then emergent=**1**;

else if emergncy='No' then emergent=**0**;

**run**;

\*convert lab, age values to continous covariates;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

if pralbum='-99' then alb\_rev=**.**;

else if pralbum ne '-99' then alb\_rev=pralbum+**0**;

age\_rev= age+ **0**;

if weight='-99' then weight\_rev=**.**;

else if weight ne'-99' then weight\_rev=weight+**0**;

label age\_rev='age (cont, >90 excluded)' weight\_rev='weight, cont';

**run**;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

if prwbc='-99' then wbc\_rev=**.**;

else if prwbc ne '-99' then wbc\_rev=prwbc+**0**;

**run**;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

if sex='male' then maleyn=**1**;

if sex='female' then maleyn=**0**;

whiteyn=**0**;

if race='White, Not of Hispanic Origin' then whiteyn=**1**;

**run**;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

if prbun='-99' then bun\_rev=**.**;

else if prbun ne'-99' then bun\_rev=prbun+**0**;

if pralbum='-99' then album\_rev=**.**;

else if pralbum ne'-99' then album\_rev=pralbum+**0**;

if prbili='-99' then bili\_rev=**.**;

else if prbili ne'-99' then bili\_rev=prbili+**0**;

if prsgot='-99' then sgot\_rev=**.**;

else if prsgot ne'-99' then sgot\_rev=prsgot+**0**;

if pralkph='-99' then alkph\_rev=**.**;

else if pralkph ne'-99' then alkph\_rev=pralkph+**0**;

if prplate='-99' then plate\_rev=**.**;

else if prplate ne'-99' then plate\_rev=prplate+**0**;

if prptt='-99' then ptt\_rev=**.**;

else if prptt ne'-99' then ptt\_rev=prptt+**0**;

if prinr='-99' then inr\_rev=**.**;

else if prinr ne'-99' then inr\_rev=prinr+**0**;

if prpt='-99' then pt\_rev=**.**;

else if prpt ne'-99' then pt\_rev=prpt+**0**;

**run**;

**data** mylib.nsqip\_combined; set mylib.nsqip\_combined;

if packs='-99' then packs\_rev=**.**;

else if packs ne'-99' then packs\_rev=packs+**0**;**run**;

**data** mylib.tevar; set mylib.tevar;

othcpt1\_rev=othercpt1+**0**;

othcpt2\_rev=othercpt2+**0**;

othcpt3\_rev=othercpt3+**0**;

othcpt4\_rev=othercpt4+**0**;

othcpt5\_rev=othercpt5+**0**;

othcpt6\_rev=othercpt6+**0**;

othcpt7\_rev=othercpt7+**0**;

othcpt8\_rev=othercpt8+**0**;

othcpt9\_rev=othercpt9+**0**;

othcpt10\_rev=othercpt10+**0**;

concpt1\_rev=concpt1+**0**;

concpt2\_rev=concpt2+**0**;

concpt3\_rev=concpt3+**0**;

concpt4\_rev=concpt4+**0**;

concpt5\_rev=concpt5+**0**;

concpt6\_rev=concpt6+**0**;

concpt7\_rev=concpt7+**0**;

concpt8\_rev=concpt8+**0**;

concpt9\_rev=concpt9+**0**;

concpt10\_rev=concpt10+**0**;

**run**;

**data** mylib.tevar; set mylib.tevar;

if **10040**<=concpt1\_rev<=**19499** then concat1='skin';

if **20000**<=concpt1\_rev<=**29999** then concat1='musculoskeletal';

if **30000**<=concpt1\_rev<=**32999** then concat1='respiratory';

if **33010**<=concpt1\_rev<=**39599** then concat1='cardiovascular';

if **40490**<=concpt1\_rev<=**49999** then concat1='digestive';

if **50010**<=concpt1\_rev<=**53899** then concat1='urinary';

if **61000**<=concpt1\_rev<=**64999** then concat1='neuro';

if **10040**<=concpt2\_rev<=**19499** then concat2='skin';

if **20000**<=concpt2\_rev<=**29999** then concat2='musculoskeletal';

if **30000**<=concpt2\_rev<=**32999** then concat2='respiratory';

if **33010**<=concpt2\_rev<=**39599** then concat2='cardiovascular';

if **40490**<=concpt2\_rev<=**49999** then concat2='digestive';

if **50010**<=concpt2\_rev<=**53899** then concat2='urinary';

if **61000**<=concpt2\_rev<=**64999** then concat2='neuro';

if **10040**<=concpt3\_rev<=**19499** then concat3='skin';

if **20000**<=concpt3\_rev<=**29999** then concat3='musculoskeletal';

if **30000**<=concpt3\_rev<=**32999** then concat3='respiratory';

if **33010**<=concpt3\_rev<=**39599** then concat3='cardiovascular';

if **40490**<=concpt3\_rev<=**49999** then concat3='digestive';

if **50010**<=concpt3\_rev<=**53899** then concat3='urinary';

if **61000**<=concpt3\_rev<=**64999** then concat3='neuro';

if **10040**<=concpt4\_rev<=**19499** then concat4='skin';

if **20000**<=concpt4\_rev<=**29999** then concat4='musculoskeletal';

if **30000**<=concpt4\_rev<=**32999** then concat4='respiratory';

if **33010**<=concpt4\_rev<=**39599** then concat4='cardiovascular';

if **40490**<=concpt4\_rev<=**49999** then concat4='digestive';

if **50010**<=concpt4\_rev<=**53899** then concat4='urinary';

if **61000**<=concpt4\_rev<=**64999** then concat4='neuro';

if **10040**<=concpt5\_rev<=**19499** then concat5='skin';

if **20000**<=concpt5\_rev<=**29999** then concat5='musculoskeletal';

if **30000**<=concpt5\_rev<=**32999** then concat5='respiratory';

if **33010**<=concpt5\_rev<=**39599** then concat5='cardiovascular';

if **40490**<=concpt5\_rev<=**49999** then concat5='digestive';

if **50010**<=concpt5\_rev<=**53899** then concat5='urinary';

if **61000**<=concpt5\_rev<=**64999** then concat5='neuro';

if **10040**<=concpt6\_rev<=**19499** then concat6='skin';

if **20000**<=concpt6\_rev<=**29999** then concat6='musculoskeletal';

if **30000**<=concpt6\_rev<=**32999** then concat6='respiratory';

if **33010**<=concpt6\_rev<=**39599** then concat6='cardiovascular';

if **40490**<=concpt6\_rev<=**49999** then concat6='digestive';

if **50010**<=concpt6\_rev<=**53899** then concat6='urinary';

if **61000**<=concpt6\_rev<=**64999** then concat6='neuro';

if **10040**<=concpt7\_rev<=**19499** then concat7='skin';

if **20000**<=concpt7\_rev<=**29999** then concat7='musculoskeletal';

if **30000**<=concpt7\_rev<=**32999** then concat7='respiratory';

if **33010**<=concpt7\_rev<=**39599** then concat7='cardiovascular';

if **40490**<=concpt7\_rev<=**49999** then concat7='digestive';

if **50010**<=concpt7\_rev<=**53899** then concat7='urinary';

if **61000**<=concpt7\_rev<=**64999** then concat7='neuro';

if **10040**<=concpt8\_rev<=**19499** then concat8='skin';

if **20000**<=concpt8\_rev<=**29999** then concat8='musculoskeletal';

if **30000**<=concpt8\_rev<=**32999** then concat8='respiratory';

if **33010**<=concpt8\_rev<=**39599** then concat8='cardiovascular';

if **40490**<=concpt8\_rev<=**49999** then concat8='digestive';

if **50010**<=concpt8\_rev<=**53899** then concat8='urinary';

if **61000**<=concpt8\_rev<=**64999** then concat8='neuro';

if **10040**<=concpt9\_rev<=**19499** then concat9='skin';

if **20000**<=concpt9\_rev<=**29999** then concat9='musculoskeletal';

if **30000**<=concpt9\_rev<=**32999** then concat9='respiratory';

if **33010**<=concpt9\_rev<=**39599** then concat9='cardiovascular';

if **40490**<=concpt9\_rev<=**49999** then concat9='digestive';

if **50010**<=concpt9\_rev<=**53899** then concat9='urinary';

if **61000**<=concpt9\_rev<=**64999** then concat9='neuro';

if **10040**<=concpt10\_rev<=**19499** then concat10='skin';

if **20000**<=concpt10\_rev<=**29999** then concat10='musculoskeletal';

if **30000**<=concpt10\_rev<=**32999** then concat10='respiratory';

if **33010**<=concpt10\_rev<=**39599** then concat10='cardiovascular';

if **40490**<=concpt10\_rev<=**49999** then concat10='digestive';

if **50010**<=concpt10\_rev<=**53899** then concat10='urinary';

if **61000**<=concpt10\_rev<=**64999** then concat10='neuro';

**run**;

**data** mylib.tevar; set mylib.tevar;

if **10040**<=othcpt1\_rev<=**19499** then othcat1='skin';

if **20000**<=othcpt1\_rev<=**29999** then othcat1='musculoskeletal';

if **30000**<=othcpt1\_rev<=**32999** then othcat1='respiratory';

if **33010**<=othcpt1\_rev<=**39599** then othcat1='cardiovascular';

if **40490**<=othcpt1\_rev<=**49999** then othcat1='digestive';

if **50010**<=othcpt1\_rev<=**53899** then othcat1='urinary';

if **61000**<=othcpt1\_rev<=**64999** then othcat1='neuro';

if **10040**<=othcpt2\_rev<=**19499** then othcat2='skin';

if **20000**<=othcpt2\_rev<=**29999** then othcat2='musculoskeletal';

if **30000**<=othcpt2\_rev<=**32999** then othcat2='respiratory';

if **33010**<=othcpt2\_rev<=**39599** then othcat2='cardiovascular';

if **40490**<=othcpt2\_rev<=**49999** then othcat2='digestive';

if **50010**<=othcpt2\_rev<=**53899** then othcat2='urinary';

if **61000**<=othcpt2\_rev<=**64999** then othcat2='neuro';

if **10040**<=othcpt3\_rev<=**19499** then othcat3='skin';

if **20000**<=othcpt3\_rev<=**29999** then othcat3='musculoskeletal';

if **30000**<=othcpt3\_rev<=**32999** then othcat3='respiratory';

if **33010**<=othcpt3\_rev<=**39599** then othcat3='cardiovascular';

if **40490**<=othcpt3\_rev<=**49999** then othcat3='digestive';

if **50010**<=othcpt3\_rev<=**53899** then othcat3='urinary';

if **61000**<=othcpt3\_rev<=**64999** then othcat3='neuro';

if **10040**<=othcpt4\_rev<=**19499** then othcat4='skin';

if **20000**<=othcpt4\_rev<=**29999** then othcat4='musculoskeletal';

if **30000**<=othcpt4\_rev<=**32999** then othcat4='respiratory';

if **33010**<=othcpt4\_rev<=**39599** then othcat4='cardiovascular';

if **40490**<=othcpt4\_rev<=**49999** then othcat4='digestive';

if **50010**<=othcpt4\_rev<=**53899** then othcat4='urinary';

if **61000**<=othcpt4\_rev<=**64999** then othcat4='neuro';

if **10040**<=othcpt5\_rev<=**19499** then othcat5='skin';

if **20000**<=othcpt5\_rev<=**29999** then othcat5='musculoskeletal';

if **30000**<=othcpt5\_rev<=**32999** then othcat5='respiratory';

if **33010**<=othcpt5\_rev<=**39599** then othcat5='cardiovascular';

if **40490**<=othcpt5\_rev<=**49999** then othcat5='digestive';

if **50010**<=othcpt5\_rev<=**53899** then othcat5='urinary';

if **61000**<=othcpt5\_rev<=**64999** then othcat5='neuro';

if **10040**<=othcpt6\_rev<=**19499** then othcat6='skin';

if **20000**<=othcpt6\_rev<=**29999** then othcat6='musculoskeletal';

if **30000**<=othcpt6\_rev<=**32999** then othcat6='respiratory';

if **33010**<=othcpt6\_rev<=**39599** then othcat6='cardiovascular';

if **40490**<=othcpt6\_rev<=**49999** then othcat6='digestive';

if **50010**<=othcpt6\_rev<=**53899** then othcat6='urinary';

if **61000**<=othcpt6\_rev<=**64999** then othcat6='neuro';

if **10040**<=othcpt7\_rev<=**19499** then othcat7='skin';

if **20000**<=othcpt7\_rev<=**29999** then othcat7='musculoskeletal';

if **30000**<=othcpt7\_rev<=**32999** then othcat7='respiratory';

if **33010**<=othcpt7\_rev<=**39599** then othcat7='cardiovascular';

if **40490**<=othcpt7\_rev<=**49999** then othcat7='digestive';

if **50010**<=othcpt7\_rev<=**53899** then othcat7='urinary';

if **61000**<=othcpt7\_rev<=**64999** then othcat7='neuro';

if **10040**<=othcpt8\_rev<=**19499** then othcat8='skin';

if **20000**<=othcpt8\_rev<=**29999** then othcat8='musculoskeletal';

if **30000**<=othcpt8\_rev<=**32999** then othcat8='respiratory';

if **33010**<=othcpt8\_rev<=**39599** then othcat8='cardiovascular';

if **40490**<=othcpt8\_rev<=**49999** then othcat8='digestive';

if **50010**<=othcpt8\_rev<=**53899** then othcat8='urinary';

if **61000**<=othcpt8\_rev<=**64999** then othcat8='neuro';

if **10040**<=othcpt9\_rev<=**19499** then othcat9='skin';

if **20000**<=othcpt9\_rev<=**29999** then othcat9='musculoskeletal';

if **30000**<=othcpt9\_rev<=**32999** then othcat9='respiratory';

if **33010**<=othcpt9\_rev<=**39599** then othcat9='cardiovascular';

if **40490**<=othcpt9\_rev<=**49999** then othcat9='digestive';

if **50010**<=othcpt9\_rev<=**53899** then othcat9='urinary';

if **61000**<=othcpt9\_rev<=**64999** then othcat9='neuro';

if **10040**<=othcpt10\_rev<=**19499** then othcat10='skin';

if **20000**<=othcpt10\_rev<=**29999** then othcat10='musculoskeletal';

if **30000**<=othcpt10\_rev<=**32999** then othcat10='respiratory';

if **33010**<=othcpt10\_rev<=**39599** then othcat10='cardiovascular';

if **40490**<=othcpt10\_rev<=**49999** then othcat10='digestive';

if **50010**<=othcpt10\_rev<=**53899** then othcat10='urinary';

if **61000**<=othcpt10\_rev<=**64999** then othcat10='neuro';

**run**;

\*get rest of other/concurrent categories inserted;

**data** mylib.tevar; set mylib.tevar;

if **54000**<=othcpt1\_rev<=**59899** then othcat1='other';

if **60000**<=othcpt1\_rev<=**60699** then othcat1='endocrine';

if **65091**<=othcpt1\_rev<=**69990** then othcat1='other';

if **70010**<=othcpt1\_rev<=**80047** then othcat1='radiology';

if **54000**<=othcpt2\_rev<=**59899** then othcat2='other';

if **60000**<=othcpt2\_rev<=**60699** then othcat2='endocrine';

if **65091**<=othcpt2\_rev<=**69990** then othcat2='other';

if **70010**<=othcpt2\_rev<=**80047** then othcat2='radiology';

if **54000**<=othcpt3\_rev<=**59899** then othcat3='other';

if **60000**<=othcpt3\_rev<=**60699** then othcat3='endocrine';

if **65091**<=othcpt3\_rev<=**69990** then othcat3='other';

if **70010**<=othcpt3\_rev<=**80047** then othcat3='radiology';

if **54000**<=othcpt4\_rev<=**59899** then othcat4='other';

if **60000**<=othcpt4\_rev<=**60699** then othcat4='endocrine';

if **65091**<=othcpt4\_rev<=**69990** then othcat4='other';

if **70010**<=othcpt4\_rev<=**80047** then othcat4='radiology';

if **54000**<=othcpt5\_rev<=**59899** then othcat5='other';

if **60000**<=othcpt5\_rev<=**60699** then othcat5='endocrine';

if **65091**<=othcpt5\_rev<=**69990** then othcat5='other';

if **70010**<=othcpt5\_rev<=**80047** then othcat5='radiology';

if **54000**<=othcpt6\_rev<=**59899** then othcat6='other';

if **60000**<=othcpt6\_rev<=**60699** then othcat6='endocrine';

if **65091**<=othcpt6\_rev<=**69990** then othcat6='other';

if **70010**<=othcpt6\_rev<=**80047** then othcat6='radiology';

if **54000**<=othcpt7\_rev<=**59899** then othcat7='other';

if **60000**<=othcpt7\_rev<=**60699** then othcat7='endocrine';

if **65091**<=othcpt7\_rev<=**69990** then othcat7='other';

if **70010**<=othcpt7\_rev<=**80047** then othcat7='radiology';

if **54000**<=othcpt8\_rev<=**59899** then othcat8='other';

if **60000**<=othcpt8\_rev<=**60699** then othcat8='endocrine';

if **65091**<=othcpt8\_rev<=**69990** then othcat8='other';

if **70010**<=othcpt8\_rev<=**80047** then othcat8='radiology';

if **54000**<=othcpt9\_rev<=**59899** then othcat9='other';

if **60000**<=othcpt9\_rev<=**60699** then othcat9='endocrine';

if **65091**<=othcpt9\_rev<=**69990** then othcat9='other';

if **70010**<=othcpt9\_rev<=**80047** then othcat9='radiology';

if **54000**<=othcpt10\_rev<=**59899** then othcat10='other';

if **60000**<=othcpt10\_rev<=**60699** then othcat10='endocrine';

if **65091**<=othcpt10\_rev<=**69990** then othcat10='other';

if **70010**<=othcpt10\_rev<=**80047** then othcat10='radiology';

if **54000**<=concpt1\_rev<=**59899** then concat1='other';

if **60000**<=concpt1\_rev<=**60699** then concat1='endocrine';

if **65091**<=concpt1\_rev<=**69990** then concat1='other';

if **70010**<=concpt1\_rev<=**80047** then concat1='radiology';

if **54000**<=concpt2\_rev<=**59899** then concat2='other';

if **60000**<=concpt2\_rev<=**60699** then concat2='endocrine';

if **65091**<=concpt2\_rev<=**69990** then concat2='other';

if **70010**<=concpt2\_rev<=**80047** then concat2='radiology';

if **54000**<=concpt3\_rev<=**59899** then concat3='other';

if **60000**<=concpt3\_rev<=**60699** then concat3='endocrine';

if **65091**<=concpt3\_rev<=**69990** then concat3='other';

if **70010**<=concpt3\_rev<=**80047** then concat3='radiology';

if **54000**<=concpt4\_rev<=**59899** then concat4='other';

if **60000**<=concpt4\_rev<=**60699** then concat4='endocrine';

if **65091**<=concpt4\_rev<=**69990** then concat4='other';

if **70010**<=concpt4\_rev<=**80047** then concat4='radiology';

if **54000**<=concpt5\_rev<=**59899** then concat5='other';

if **60000**<=concpt5\_rev<=**60699** then concat5='endocrine';

if **65091**<=concpt5\_rev<=**69990** then concat5='other';

if **70010**<=concpt5\_rev<=**80047** then concat5='radiology';

if **54000**<=concpt6\_rev<=**59899** then concat6='other';

if **60000**<=concpt6\_rev<=**60699** then concat6='endocrine';

if **65091**<=concpt6\_rev<=**69990** then concat6='other';

if **70010**<=concpt6\_rev<=**80047** then concat6='radiology';

if **54000**<=concpt7\_rev<=**59899** then concat7='other';

if **60000**<=concpt7\_rev<=**60699** then concat7='endocrine';

if **65091**<=concpt7\_rev<=**69990** then concat7='other';

if **70010**<=concpt7\_rev<=**80047** then concat7='radiology';

if **54000**<=concpt8\_rev<=**59899** then concat8='other';

if **60000**<=concpt8\_rev<=**60699** then concat8='endocrine';

if **65091**<=concpt8\_rev<=**69990** then concat8='other';

if **70010**<=concpt8\_rev<=**80047** then concat8='radiology';

if **54000**<=concpt9\_rev<=**59899** then concat9='other';

if **60000**<=concpt9\_rev<=**60699** then concat9='endocrine';

if **65091**<=concpt9\_rev<=**69990** then concat9='other';

if **70010**<=concpt9\_rev<=**80047** then concat9='radiology';

if **54000**<=concpt10\_rev<=**59899** then concat10='other';

if **60000**<=concpt10\_rev<=**60699** then concat10='endocrine';

if **65091**<=concpt10\_rev<=**69990** then concat10='other';

if **70010**<=concpt10\_rev<=**80047** then concat10='radiology';

**run**;

**proc** **freq**;

tables

othcat1 othcat2 othcat3 othcat4 othcat5 othcat6 othcat7 othcat8 othcat9 othcat10

concat1 concat2 concat3 concat4 concat5 concat6 concat7 concat8 concat9 concat10;

**run**;

**data** mylib.tevar; set mylib.tevar;

array othcats[**10**] othcat1 othcat2 othcat3 othcat4 othcat5 othcat6 othcat7 othcat8

othcat9 othcat10;

array concats[**10**] concat1 concat2 concat3 concat4 concat5 concat6 concat7 concat8 concat9 concat10;

do i=**1** to **10**;

if othcats[i]='skin' then skin=**1**;

if othcats[i]='musc' then musc=**1**;

if othcats[i]='resp' then resp=**1**;

if othcats[i]='card' then card=**1**;

if othcats[i]='dige' then dige=**1**;

if othcats[i]='urin' then urin=**1**;

if othcats[i]='neur' then neur=**1**;

if othcats[i]='othe' then othe=**1**;

if othcats[i]='endo' then endo=**1**;

if othcats[i]='radi' then radi=**1**;

if concats[i]='skin' then skin=**1**;

if concats[i]='musc' then musc=**1**;

if concats[i]='resp' then resp=**1**;

if concats[i]='card' then card=**1**;

if concats[i]='dige' then dige=**1**;

if concats[i]='urin' then urin=**1**;

if concats[i]='neur' then neur=**1**;

if concats[i]='othe' then othe=**1**;

if concats[i]='endo' then endo=**1**;

if concats[i]='radi' then radi=**1**;

end; drop i;

**run**;