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NOTE: SAS (r) Proprietary Software 9.3 (TS1M1)
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NOTE: This session is executing on the X64_ES08R2  platform.


NOTE: Updated analytical products:

SAS/STAT 9.3_M1

NOTE: SAS initialization used:
      real time           2.35 seconds
      cpu time            1.12 seconds


1
2     **************************************************
3     ** tomusbase: TOMUS baseline dataset
4     **************************************************;
5     option nofmterr noSYMBOLGEN noMLOGIC;
6
7     libname matchfl  "\\Neri1\PROJECTS3\UITN\Protocol #3_TOMUS\Datasets\Public Use_NIDDK
Reposity\datasets";
NOTE: Libref MATCHFL was successfully assigned as follows:
      Engine:        V9
      Physical Name: \\Neri1\PROJECTS3\UITN\Protocol #3_TOMUS\Datasets\Public Use_NIDDK Reposity\datasets
8     libname urtmbl  "\\Neri1\PROJECTS3\UITN\Protocol_AcrossStudies\DataSets\09_0715\raw";
NOTE: Libref URTMBL was successfully assigned as follows:
      Engine:        V9
      Physical Name: \\Neri1\PROJECTS3\UITN\Protocol_AcrossStudies\DataSets\09_0715\raw
9     libname utmbl  "\\Neri1\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\09_0715";
NOTE: Libref UTMBL was successfully assigned as follows:
      Engine:        V9
      Physical Name: \\Neri1\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\09_0715
10
11    proc format;
12    value assign  1='Retropubic'
13                  2='Transobturator';
NOTE: Format ASSIGN has been output.
14    value yna  0='No'
15                  1='Yes';
NOTE: Format YNA has been output.
16    value ynb  1='Yes'
17                  2='No';
NOTE: Format YNB has been output.
18    value sex  1='Female';
NOTE: Format SEX has been output.
19    value racea 1='White'
20                  2='Black'
21                  3='Asian'
22                  4='Pacific Island'
23                  5='American Indian'
24                  6='Other'
25                  7='Multi race';
NOTE: Format RACEA has been output.
26    value raceb 1='White'
27                  2='Black'
28                  3='Asian'
29                  4='Pacific Island'
30                  5='American Indian'
31                  99='Other';
NOTE: Format RACEB has been output.
32    value hispa 1='Hispanic'
33                  2='Non-hispanic White'
34                  3='Non-hispanic Black'
35                  4='Non-hispanic Other';
NOTE: Format HISPA has been output.
36    value npcat 0='0'
37                  1='1-2'
38                  2='3-4'
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39                  3='>=5';
NOTE: Format NPCAT has been output.
40   value menoa 1='PRE-MENOPAUSAL'
41               2='POST-MENOPAUSAL'
42               3='SOMEWHERE IN-BETWEEN'
43               4='NOT SURE';
NOTE: Format MENOA has been output.
44   value ahrt 0='No'
45              1='Yes'
46              2='Pre';
NOTE: Format AHRT has been output.
47   value bmiab 0='<30'
48               1='>=30';
NOTE: Format BMIAB has been output.
49   value udiform 0='Not at all bothersome'
50                 1='Slightly bothersome'
51                 2='Moderately bothersome'
52                 3='Greatly bothersome';
NOTE: Format UDIFORM has been output.
53   value sfa  0='Never'
54              1='Seldom'
55              2='Sometimes'
56              3='Usually'
57              4='Always';
NOTE: Format SFA has been output.
58   value sfb  4='Never'
59              3='Seldom'
60              2='Sometimes'
61              1='Usually'
62              0='Always';
NOTE: Format SFB has been output.
63   value sfc  4='Much more intense'
64              3='More intense     '
65              2='Same intensity   '
66              1='Less intense     '
67              0='Much less intense';
NOTE: Format SFC has been output.
68   value del  1='1'
69              2='2'
70              3='3'
71              4='4+';
NOTE: Format DEL has been output.
72   value stcat 1='0,1'
73               2='2'
74               3='3,4';
NOTE: Format STCAT has been output.
75   value npre  0='0'
76               1='1'
77               2='2'
78               3='3'
79               4='4'
80               5='5'
81               6='6'
82               7='7'
83               8='8+';
NOTE: Format NPRE has been output.
84   value csec 1='Cesarean delivery only        '
85              2='Vaginal/Cesarean delivery     '
86              3='Neither/No delivery           ';
NOTE: Format CSEC has been output.
87   value aac 1='Aa [-3,-2]  '
88             2='Aa (-2,-1]  '
89             3='Aa (-1,max] ';
NOTE: Format AAC has been output.
90   value strmix 1='stress only        '
91                2='stress predominant '
92                3='mixed              ';
NOTE: Format STRMIX has been output.
93   value smkst  0='No          '
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94                 1='Former       '
95                 2='Current      ';
NOTE: Format SMKST has been output.
96   value obes  1='<25            '
97                2='25-30          '
98                3='>=30          ';
NOTE: Format OBES has been output.
99   value pcdurf          . = 'missing'
100                  0-.999999 = '<1'
101                       1-3 = '[1,3]'
102            3.00000001-100 = '>3';
NOTE: Format PCDURF has been output.
103  value health 1="1: Excellent" 2="2:Very good" 3="3: Good" 4="4:Fair" 5="5:Poor";
NOTE: Format HEALTH has been output.
104  value flpatt 1='Continuous, smooth      '
105                2='Continuous, fluctuating'
106                3='Intermittent           ';
NOTE: Format FLPATT has been output.
107  value leakm 1='Yes'
108               2='No'
109               3='NA, VLPPs obtained at or prior to MCC';
NOTE: Format LEAKM has been output.
110  value pfsvd 1='Pure or predominant detrusor'
111               2='Pure or predominant abdominal'
112               3='Mixed'
113               4='Indeterminate / uninterpretable';
NOTE: Format PFSVD has been output.
114  value lk_grpf -1 = '-1:Protocol violation'
115                 0 = 'Invalid or implausible'
116                 1 = '1:Patient leaked w/ unreduced Valsalva'
117                 2 = '2:Patient leaked w/ reduced Valsalva only'
118                 3 = '3:Patient leaked w/ cough at MCC only'
119                 4 = '4:Patient did not leak';
NOTE: Format LK_GRPF has been output.
120  value usilk   0 = 'leak_grp=4'
121                1 = 'leak_grp in (1,2,3)';
NOTE: Format USILK has been output.
122  value ltstatf 1="1:Cont"
123                2="2:Lost"
124                3="3:Failed";
NOTE: Format LTSTATF has been output.
125  value trtm_01f 1 = "1: RMUS"
126                 0 = "0: TMUS";
NOTE: Format TRTM_01F has been output.
127  value vlpp90f 0="0: <= 90"
128                1="1: > 90";
NOTE: Format VLPP90F has been output.
129  value vlpp3f 1="0: <=90"
130               2="1: > 90"
131               3="missing";
NOTE: Format VLPP3F has been output.
132  value assigf 1="1:RMUS" 2="2:TMUS";
NOTE: Format ASSIGF has been output.
133  value trtm_01nf 1="1:TMUS" 0="0: RMUS";
NOTE: Format TRTM_01NF has been output.
134  value failnf 1="1:success" 0="0:failure";
NOTE: Format FAILNF has been output.
135  value failnfb 1="1:failure" 2="2:success";
NOTE: Format FAILNFB has been output.
136  value failnfc 1="1:failure" 0="0:success";
NOTE: Format FAILNFC has been output.
137  value msgvlppf 1="1:missing" 0="0:not missing";
NOTE: Format MSGVLPPF has been output.
138  run;

NOTE: PROCEDURE FORMAT used (Total process time):
      real time            0.06 seconds
      cpu time             0.06 seconds
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139
140  proc sort data=utmbl.rand_tmus out=randa;by master_id;run;

NOTE: There were 597 observations read from the data set UTMBL.RAND_TMUS.
NOTE: The data set WORK.RANDA has 597 observations and 18 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.01 seconds


141  proc sort data=utmbl.f300 out=f300;by master_id;run;

NOTE: There were 749 observations read from the data set UTMBL.F300.
NOTE: The data set WORK.F300 has 749 observations and 24 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.03 seconds


142  proc sort data=utmbl.f301 out=f301;by master_id;run;

NOTE: There were 749 observations read from the data set UTMBL.F301.
NOTE: The data set WORK.F301 has 749 observations and 143 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.04 seconds
      cpu time            0.01 seconds


143  proc sort data=utmbl.f302 out=f302;by master_id;run;

NOTE: There were 683 observations read from the data set UTMBL.F302.
NOTE: The data set WORK.F302 has 683 observations and 126 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.04 seconds
      cpu time            0.03 seconds


144  proc sort data=utmbl.f304 out=f304;by master_id;run;

NOTE: There were 657 observations read from the data set UTMBL.F304.
NOTE: The data set WORK.F304 has 657 observations and 104 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.03 seconds


145  proc sort data=utmbl.f306 out=f306;by master_id;run;

NOTE: Input data set is already sorted; it has been copied to the output data set.
NOTE: There were 643 observations read from the data set UTMBL.F306.
NOTE: The data set WORK.F306 has 643 observations and 85 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.03 seconds


146  proc sort data=utmbl.f307setup out=f307;by master_id;run;

NOTE: There were 655 observations read from the data set UTMBL.F307SETUP.
NOTE: The data set WORK.F307 has 655 observations and 212 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.00 seconds


147  proc sort data=utmbl.f314 out=f314;by master_id;run;

NOTE: There were 654 observations read from the data set UTMBL.F314.
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NOTE: The data set WORK.F314 has 654 observations and 13 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


148  proc sort data=utmbl.f316 out=f316;by master_id;run;

NOTE: There were 1461 observations read from the data set UTMBL.F316.
NOTE: The data set WORK.F316 has 1461 observations and 39 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.03 seconds


149  proc sort data=utmbl.f380 out=f380;by master_id;run;

NOTE: There were 379 observations read from the data set UTMBL.F380.
NOTE: The data set WORK.F380 has 379 observations and 20 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


150  proc sort data=utmbl.f312_hui out=f312;by master_id;run;

NOTE: Input data set is already sorted; it has been copied to the output data set.
NOTE: There were 1596 observations read from the data set UTMBL.F312_HUI.
NOTE: The data set WORK.F312 has 1596 observations and 49 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.01 seconds
      cpu time            0.00 seconds


151  proc sort data=utmbl.f312 out=f312a;by master_id;run;

NOTE: There were 1596 observations read from the data set UTMBL.F312.
NOTE: The data set WORK.F312A has 1596 observations and 61 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.03 seconds
      cpu time            0.00 seconds


152  proc sort data=utmbl.surg out=surg;by master_id;run;

NOTE: There were 683 observations read from the data set UTMBL.SURG.
NOTE: The data set WORK.SURG has 683 observations and 11 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.01 seconds
      cpu time            0.00 seconds


153  proc sort data=matchfl.tm_aid out=tmaid; by master_id; run;

NOTE: Input data set is already sorted; it has been copied to the output data set.
NOTE: There were 597 observations read from the data set MATCHFL.TM_AID.
NOTE: The data set WORK.TMAID has 597 observations and 11 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time           0.01 seconds
      cpu time            0.01 seconds


154
155  data baseline_tm;
156    merge randa (in=base keep=master_id age assignment rando_dt retropubic)
157          f300 (in=a keep=master_id site subsite gender birth_dt consent consent_d )
158          f301 (keep=master_id  ETHNICITY-- MAR_STAT marital  MESA_STR_1-- OFT_SOLID_LK
159               hisp--MESA_index educ ev_preg  n_preg  v_del  ev_smoke-- largwtoz MAR_STAT_sp
160               rename=(marital=marstat))
```

```
161            utmbl.f301ck(keep=master_id stress_score1 stress_index1 urge_score1 urge_index1 MESA_score1
MESA_index1)
162            f302 (keep=master_id  MENOPAUSE-- UI_TREAT uti--any_hrt uitreat--ui_tx_alt )
163            f304 (keep=master_id ht_in wt_lbs bmi PC_PRES  /*PC_DUR*/ PC_DIS POPQ_AA--PRO_STAGE
164               wt_lbs--brink aa--stage)
165            f306 (keep=master_id sumprewt sumpstwt diffwt  pprot_pt valid_pt pprot_vd--ave_acc)
166            f307 (drop= DISTRIB_D--START_D FORMSTAT_ID  DESTATUS)
167            f314 (keep=master_id qtip_rst qtip_str qtip_delta)
168            f312 (where=(visit='TBAS'))
169            f312a (keep=master_id visit health_score where=(visit='TBAS'))
170            f316 (keep=master_id visit diabetes where=(visit='TBAS'))
171            surg (in=surg keep=master_id gynec prolap hyst antrep cesdel)
172            ;
173    by master_id;
174    if base;
175  *f301:E section;
176     if .<urine_bother<0 then urine_bother=.; /*E2*/
177
178     array list strain_ur--oth_acc_ur steady_str--oth_str;
179     array list1 ur_strain  ur_bend ur_lean ur_stand ur_press ur_push ur_oth_acc
180               str_steady str_slow str_spurt str_hesit str_drib str_oth;
181     do over list;
182      if list in (1 2) then list1=(list=1);end;
183
184   * create a new variable on diabetes to get the same name in SISTEr;
185      if diabetes=1 then diab=1; else if diabetes=2 then diab=0;
186
187    * create a new categorical variable for smoking;
188    if ev_smoke=0 then smkstat=0;
189    else if ev_smoke=1 and cr_smoke=0 then smkstat=1;
190    else if ev_smoke=1 and cr_smoke=1 then smkstat=2;
191
192    ** create wt_kg;
193    wt_kg=wt_lbs*.453592;
194
195    ** create Obese indicator;
196    if bmi>=30 then obese=3;
197    else if bmi>=25 and bmi<30 then obese=2;
198    else if 0<bmi<25 then obese=1;
199
200    **Fecal incontinence symptoms;
201
202    if gas_lk=1 and (OFT_gas_lk in (2,3,4)) then gas_inc=1;
203    else if (gas_lk=1 and OFT_gas_lk=1) or gas_lk=2  then gas_inc=0;
204    else gas_inc=.;
205
206    if liq_stool_lk=1 and (OFT_liq_lk in (2,3,4)) then liq_inc=1;
207    else if (liq_stool_lk=1 and OFT_liq_lk=1) or liq_stool_lk=2  then liq_inc=0;
208    else liq_inc=.;
209
210    if sol_stool_lk=1 and (OFT_SOLID_lk in (2,3,4)) then sol_inc=1;
211    else if (sol_stool_lk=1 and OFT_SOLID_lk=1) or sol_stool_lk=2 then sol_inc=0;
212    else sol_inc=.;
213
214     * Create any_fec_inc;
215    if (gas_lk=1 |  liq_stool_lk=1 |  sol_stool_lk=1) then any_fec_inc=1;
216    else if (gas_lk=2  & liq_stool_lk=2  & sol_stool_lk=2) then any_fec_inc=0;
217    else any_fec_inc=.;
218
219    * create soliq_fec_inc which exclude gas;
220    if (liq_stool_lk=1 |  sol_stool_lk=1) then soliq_fec_inc=1;
221    else if (liq_stool_lk=2  & sol_stool_lk=2) then soliq_fec_inc=0;
222    else soliq_fec_inc=.;
223
224    *** (2 categories) ***;
225    * soliq_inc: monthly incontinence;
226    if liq_inc=1 | sol_inc=1 then soliq_inc=1;
227    else if liq_inc=0 & sol_inc=0 then soliq_inc=0;
228    else soliq_inc=.;
```

```
229
230       * combine uitrt and uisurg;
231      if (uisurg=1 |  uitrt=1) then uitrtsurg=1;
232      else if (uisurg=0  & uitrt=0) then uitrtsurg=0;
233      else uitrtsurg=.;
234
235      * create a new categorical variable for smoking;
236      if ev_smoke=0 then smkstat=0;
237      else if ev_smoke=1 and cr_smoke=0 then smkstat=1;
238      else if ev_smoke=1 and cr_smoke=1 then smkstat=2;
239
240      * create the variable for the weight of the largest baby;
241      if vag_del_gm>=0 then do;
242        largwtgm=vag_del_gm;
243        largwtoz=vag_del_gm*0.035274;
244      end;
245      else do;
246        if vag_del_lb>=0 and vag_del_oz>=0 then largwtoz=sum(vag_del_lb*16, vag_del_oz);
247        else if vag_del_lb>=0 and vag_del_oz<0 then largwtoz=vag_del_lb*16;
248        else if vag_del_lb<0 and vag_del_oz>=0 then largwtoz=vag_del_oz;
249        largwtgm=largwtoz*28.34952;
250      end;
251
252      *collapse v_del;
253      if v_del=0 then vdelcat=0;
254      if v_del=1 then vdelcat=1;
255      if v_del=2 then vdelcat=2;
256      if v_del=3 then vdelcat=3;
257      if v_del>=4 then vdelcat=4;
258
259      *collapse POP-Q stage;
260      if stage in (0,1) then stagecat=1;
261      else if stage=2 then stagecat=2;
262      else if stage in (3,4) then stagecat=3;
263
264      * Calculate qtip_delta: change between qtip_str and qtip_rst;
265      * these two cases should be fixed in October download, check it;
266      /*if master_id="12100395" then do; qtip_str=42; qtip_rst=10; end;
267      if master_id="18100529" then do; qtip_str=60; qtip_rst=20; end;*/
268      qtip_delta = qtip_str - qtip_rst;
269
270      /*if QE1 in (1,2) then sexact6m=(QE1=1); */
271
272      *new pregnancy variable;
273      if n_preg>=8 then n_pregnew=8;else n_pregnew=n_preg;
274
275      * recode vaginal delivery;
276      if n_preg=0 then do; v_del=0; any_vag_del=0; end;
277      else v_del=vag_del;
278
279      * C-section;
280      if n_preg>0 then do;
281        if v_del>0 then do; any_vag_del=1;c_sect=2;end;          *vaginal delivery;
282        else do;
283          any_vag_del=0;
284          if cesdel=1 then c_sect=1;        *cesarean delivery only;
285          else c_sect=3;                    *neither of the two kinds delivery;
286        end;
287      end;
288      else c_sect=3;                         *no delivery;
289
290       * set popq variables,updated for analysis,by liyuan 11/12/08;
291
292      aa_popq=aa;
293      bp_popq=bp;
294      c_popq= c;
295      ap_popq=ap;
296      ba_popq=ba;
297      gh_popq=gh;
```

```
298    d_popq=d;
299    pb_popq=pb;
300    tvl_popq=tvl;
301
302    if -3<=aa_popq<=-2 then aacat=1;
303    else if -2<aa_popq<=-1 then aacat=2;
304    else if -1<aa_popq then aacat=3;
305
306    ind = INDEX(leak_start,'/');  * position in string;
307    if ind=0 then do;lk_start_yr=int(leak_start);lk_start_mth=0;end;
308    else do;
309       lk_start_mth = SUBSTR(leak_start,1,ind-1);
310       lk_start_yr = SUBSTR(leak_start,ind+1);
311    end;
312    rand_yr = YEAR(rando_dt) ;
313    rand_mth = MONTH(rando_dt) ;
314    rand_day = DAY(rando_dt) ;
315
316    if lk_start_yr>rand_yr then do;
317       if lk_start_mth =0 then dur_inc_mth=(lk_start_yr-rand_yr)*12;
318       else dur_inc_mth=(lk_start_yr-rand_yr)*12+lk_start_mth-rand_mth;
319    end;
320
321    if lk_start_yr<rand_yr then do;
322       if lk_start_mth =0 then dur_inc_mth=(rand_yr-lk_start_yr)*12;
323       else dur_inc_mth=(rand_yr-lk_start_yr)*12+rand_mth-lk_start_mth;
324    end;
325
326    if lk_start_yr=rand_yr then do;
327       if lk_start_mth=0 then dur_inc_mth=rand_mth;
328       else if lk_start_mth>rand_mth then dur_inc_mth=lk_start_mth-rand_mth;
329       else if lk_start_mth<rand_mth then dur_inc_mth=rand_mth-lk_start_mth;
330    end;
331
332    dur_inc_yrs = dur_inc_mth/12;
333
334     MESA_index=stress_index + urge_index;
335
336    * create type of incontinence;
337    if urge_score>=0 then str_only=(urge_score=0);
338
339    * New variable for incontinence type;
340    if urge_index=0 then stress_mixed=1;        *stress only;
341    else if urge_index~=. and stress_index~=. and (urge_index < (stress_index /2))
342         then stress_mixed=2;                   *stress predominant;
343    else if urge_index~=. and stress_index~=. and (urge_index >= (stress_index /2))
344         then stress_mixed=3;                   *mixed;
345    else stress_mixed=.;
346
347
348    ***drop those variables with negative values;
349    drop /*F301*/
350        REC_PREG_ELG  NUM_PREG  VAG_DEL  VAG_DEL_LB  VAG_DEL_OZ VAG_DEL_GM
351        ELIG_APPROV  REG_SMOK_AGE CIG_DAY_ALL CURR_SMOKE CIG_DAY_NOW
352        AGE_QUIT  OFT_STR_BM  OFT_GAS_LK OFT_LIQ_LK    OFT_SOLID_LK
353        /*F302*/
354        MENOPAUSE   EST_ORAL EST_ORAL_A EST_PATCH EST_PATCH_A EST_NAT EST_NAT_A EST_VAG
355        EST_VAG_A   EST_INTVAG  EST_INTVAG_A  EST_INJ EST_INJ_A REC_PEL_SUR
356        SURG_ELIG UI_SURG SYN_SLING  OTH_PEL_SURG UI_TREAT;
357
358    label hisp          = "Hispanic (yes vs. no)"
359          hispanic      = "Ethnicity"
360          largwtoz      = "Weight of largest baby (oz)"
361       largwtgm        = "Weight of largest baby (gm)"
362          v_del         = "Vaginal deliveries"
363       any_vag_del    = "Any Vaginal Delivery"
364       any_hrt        = "Any use of HRT "
365          any_fec_inc   = "Any Fecal Incontinence (gas, solid or liquid)"
366       soliq_fec_inc  = "Solid/Liquid Fecal Incontinence Only"
```

```
367        n_pregnew      = "# of Pregnancy (8+ are coded as 8)"
368        stagecat       = "POP-Q stage (collapsed)"
369        qtip_delta     = "qtip_delta: qtip_str-qtip_rst"
370        smkstat        = "Smoking Status"
371        obese          = "bmi 3:>=30, 2:25--30,1:<25"
372        aa_popq        = "POPQ Aa"
373        bp_popq        = "POPQ Bp"
374        ap_popq        = "POPQ Ap"
375        ba_popq        = "POPQ Ba"
376        c_popq         = "POPQ C"
377        gh_popq         = "POPQ GH"
378        c_sect         = "Cesarean Delivery (C-section)"
379        dur_inc_mth    = "Duration of Incontinence (mths)"
380        dur_inc_yrs    = "Duration of Incontinence (yrs)"
381        aacat          = "Categorized POPQ Aa"
382        MESA_score     = "Total MESA score"
383        MESA_index     = "Total MESA index"
384          pc_durcat       = "D2. PCG strength:  Duration (categorized)"
385        brink          = "Brink's PCG strength total score"
386        health_score   = "f307:health_score=health_rate if health_rate>0"
387        ur_strain      = "f301:E1a do you currently:strain to urinate"
388        ur_bend        = "f301:E1b do you currently:bent forward to urinate"
389        ur_lean        = "f301:E1c do you currently:lean back to urinate"
390        ur_stand       = "f301:E1d do you currently:stand up to urinate"
391        ur_press       = "f301:E1e do you currently:press on to urinate"
392        ur_push       = "f301:E1f do you currently:push to urinate"
393        ur_oth_acc     = "f301:E1g do you currently:do anything else to urinate"
394        str_steady     = "f301:E3a do you currently:would you describe urine as: a steady stream"
395        str_slow       = "f301:E3b do you currently:would you describe urine as: slow stream"
396        str_spurt      = "f301:E3c do you currently:would you describe urine as: a spurting,spraying"
397        str_hesit      = "f301:E3d do you currently:would you describe urine as: a hesitating stream"
398        str_drib       = "f301:E3e do you currently:would you describe urine as: a dribbling stream"
399        str_oth        = "f301:E3f do you currently:would you describe urine as: a some other";
400
401  run;

NOTE: Character values have been converted to numeric values at the places given by: (Line):(Column).
      307:36    309:20    310:19
NOTE: Missing values were generated as a result of performing an operation on missing values.
      Each place is given by: (Number of times) at (Line):(Column).
      1 at 193:15     71 at 249:22
NOTE: There were 597 observations read from the data set WORK.RANDA.
NOTE: There were 749 observations read from the data set WORK.F300.
NOTE: There were 749 observations read from the data set WORK.F301.
NOTE: There were 597 observations read from the data set UTMBL.F301CK.
NOTE: There were 683 observations read from the data set WORK.F302.
NOTE: There were 657 observations read from the data set WORK.F304.
NOTE: There were 643 observations read from the data set WORK.F306.
NOTE: There were 655 observations read from the data set WORK.F307.
NOTE: There were 654 observations read from the data set WORK.F314.
NOTE: There were 650 observations read from the data set WORK.F312.
      WHERE visit='TBAS';
NOTE: There were 650 observations read from the data set WORK.F312A.
      WHERE visit='TBAS';
NOTE: There were 668 observations read from the data set WORK.F316.
      WHERE visit='TBAS';
NOTE: There were 683 observations read from the data set WORK.SURG.
NOTE: The data set WORK.BASELINE_TM has 597 observations and 475 variables.
NOTE: DATA statement used (Total process time):
      real time           0.96 seconds
      cpu time            0.71 seconds


402
403  *** Baseline data ***;
404  data tomusbase;
405   merge tmaid (keep=master_id aid sitename) baseline_tm;
406   by master_id;
407
```

```
408         if assignment = '1        ' then trt = '1=Retropubic     ';
409         else if assignment = '2    ' then trt = '2=Transobturator';
410
411   drop site subsite pelvsurg n_pregnew hisp race MASTER_ID rando_dt CONSENT CONSENT_D birth_dt
ETHNICITY RACE_WH RACE_BL RACE_AS RACE_PI
412         RACE_AI RACE_OTH RACE_OTH_SP PRIM_RACE EDUCATION MAR_STAT MAR_STAT_SP MESA_STR_1 MESA_STR_2
413         MESA_STR_3 MESA_STR_4 MESA_STR_5 MESA_STR_6 MESA_STR_7 MESA_STR_8 MESA_STR_9 MESA_STRESS
414         LEAK_DUR LEAK_START STRESS_SCORE STRESS_INDEX MESA_URG_1 MESA_URG_2 MESA_URG_3 MESA_URG_4
415         MESA_URG_5 MESA_URG_6 URGE_SCORE URGE_INDEX PRED_STRESS STRAIN_UR BEND_UR LEAN_UR STAND_UR
416         PRESS_UR PUSH_UR OTH_ACC_UR ACC_UR_DESC URINE_BOTHER STEADY_STR SLOW_STR SPURT_STR HESIT_STR
417         DRIB_STR OTH_STR OTH_STR_DESC INC_BLADDER CURR_PREG EVER_PREG MOS_REC_PREG SCHEDULE OTH_TRIAL
418         LIFETIME_CIG STR_BM GAS_LK LIQ_STOOL_LK SOL_STOOL_LK PC_PRES PC_DIS POPQ_AA POPQ_BA POPQ_C
419         POPQ_D POPQ_AP POPQ_BP POPQ_GH POPQ_PB POPQ_TVL PRO_STAGE AA BA C D AP BP GH
420         PB TVL
421         UR_LEAK UR_LEAK_A UR_URIN UR_URIN_A FREQ_URIN FREQ_URIN_A OTH_URIN OTH_URIN_SP OTH_URIN_A
422         PHY_ACT PHY_ACT_A SOC_ACT SOC_ACT_A SEX_ACT SEX_ACT_A OTH_ACT OTH_ACT_SP OTH_ACT_A FEELINGS
423         FEELINGS_A ONE_PROB COND_NOW OFTEN_LK USUAL_LK LK_INTERFERE NEVER_LEAK LK_TOILET LK_COUGH
424         LK_ASLEEP LK_ACTIVE LK_DRESS LK_OBVIOUS LK_ALLTIME FREQ_URINE FREQ_URINE_A URGENCY URGENCY_A
425         URGE_LEAK URGE_LEAK_A ACTV_LEAK ACTV_LEAK_A GEN_LEAK GEN_LEAK_A SMALL_LEAK SMALL_LEAK_A
LARGE_LEAK
426         LARGE_LEAK_A NITE_LEAK NITE_LEAK_A BED_WET BED_WET_A DIFF_EMPTY DIFF_EMPT_A INCOM_BLAD
427         INCOM_BLAD_A ABD_PRESS ABD_PRESS_A PAIN_URIN PAIN_URIN_A ABD_PAIN ABD_PAIN_A DULL_PELVIC
428         DUL_PELVIC_A PROT_FEEL PROT_FEEL_A PROT_SEE PROT_SEE_A PELV_DIS PELV_DIS_A PUSH_BLAD
PUSH_BLAD_A
429         PUSH_BOWEL PUSH_BOWEL_A OTH_SYMP OTH_SYMP_SP MOST_BOTHER MB_CODE CHORES REPAIR SHOPPING
430         HOBBIES RECR_ACT ENTER_ACT TRAV_LESS_20 TRAV_GRT_20 GOING_PLACE VACATION CHURCH VOL_ACT
431         WORK_OUT VISIT_FRNDS SOC_OUT_ACT FRIENDS FAMILY HAVE_SEX WAY_DRESS EMO_HEALTH PHYS_HEALTH
432         SLEEP ODOR_RTRCT EMBAR_RTRCT NERVOUS FEAR FRUSTRATION ANGER DEPRESSION EMBARRASS
433         LYING_BED SITTING GETTING_BED REACHING LIFT_LBS WALK_INSIDE CLIMBING WALK_OUTSIDE
434         SEDENT_ACT LIGHT_PHYACT MOD_PHYACT VIG_PHYACT INTERCOURSE LITTLE_INT FEEL_DOWN
435         TROUB_SLEEP FEEL_TIRED POOR_APP FEEL_BAD TROU_CON MOVE_SLOW DEAD_HURT HOW_DIFF
436         SIX_MONTHS FREQ_DES CLIMAX SEX_EXCIT SATIS_SEX PAIN_SEX INCON_SEX FEAR_SEX AVOID_SEX
437         NEG_SEX ERECT_SEX PE_SEX ORGAS_SEX PARTNER FREQ_DES_2 SATIS_SEX_2 PAIN_SEX_2 INCON_SEX_2
438         AVOID_SEX_2 VISIT huiq1 huiq2 huiq3 huiq4 huiq5 huiq6 huiq7 huiq8 huiq9 huiq10 huiq11
439         huiq12 huiq13 huiq14 huiq15
440         ur_strain ur_bend ur_lean ur_stand ur_press ur_push ur_oth_acc str_steady str_slow
441         str_spurt str_hesit str_drib str_oth
442         lk_start_yr lk_start_mth rand_yr rand_mth rand_day soliq_inc
443         nmiss ind str_only ind_mstr ind_murg educ p_race assignment;
444
445         format site subsite pc_durcat health_score;
446
447         format GENDER sex. hisp race racea. hispanic hispa.
448          marstat ev_preg ev_smoke cr_smoke uti uisurg uitrt uitreat ui_tx_med ui_tx_beh ui_tx_dev
ui_tx_alt
449          gynec prolap hyst antrep cesdel diab
450          gas_inc liq_inc sol_inc any_fec_inc soliq_fec_inc uitrtsurg any_vag_del retropubic hisp
pelvsurg
451          pprot_pt valid_pt pprot_vd valid_vd yna.
452          menop menoa. any_hrt ahrt.
453          udi1 - udi20 udiform. DIABETES ynb. smkstat smkst. obese obes.
454          vdelcat del. stagecat stcat. c_sect csec. aacat aac. n_pregnew npre.
455          stress_mixed strmix.
456          sf1-sf4 sfa. sf5-sf11 sfb. sf12 sfc. n_pregcat npcat. bmi_30 bmiab. pc_durcat pcdurf.
457          health_score health.;
458
459
460         label sitename="Site";
461         label trt="1=Retropubic, 2=Transobturator";
462         label wake_void1="Toilet voids during waking hours at day 1";
463         label wake_void2="Toilet voids during waking hours at day 2";
464         label wake_void3="Toilet voids during waking hours at day 3";
465         label bed_void1="Toilet voids during bedtime hours at day 1";
466         label bed_void2="Toilet voids during bedtime hours at day 2";
467         label bed_void3="Toilet voids during bedtime hours at day 3";
468         label tot_void1="wake_void1 + bed_void1 at day 1";
469         label tot_void2="wake_void1 + bed_void1 at day 2";
470         label tot_void3="wake_void1 + bed_void1 at day 3";
471         label wake_vd_tot = "wake_void1 + wake_void2 + wake_void3";
```

```
472         label bed_vd_tot = "bed_void1 + bed_void2 + bed_void3";
473         label sf1 = "How frequently do you feel sexual desire?: 4:Always - 0:Never";
474         label sf2 = "Do you climax (have an orgasm)?: 4:Always - 0:Never";
475         label sf3 = "Do you feel sexually excited?: 4:Always - 0:Never";
476         label sf4 = "How satisfied are you with the variety of sexual activities?: 4:Always - 0:Never";
477         label sf5 = "Do you feel pain during sexual intercourse?: 4:Never - 0:Always";
478         label sf6 = "Are you incontinent of urine with sexual activities?: 4:Never - 0:Always";
479         label sf7 = "Does fear of incontinence restrict your sexual activity?: 4:Never - 0:Always";
480         label sf8 = "Do you avoid sexual intercourse?: 4:Never - 0:Always";
481         label sf9 = "Do you have negative emotional reactions?: 4:Never - 0:Always";
482         label sf10 = "Does your partner have a problem with erections?: 4:Never - 0:Always";
483         label sf11 = "Does your partner have a problem with premature ejaculation?: 4:Never -
0:Always";
484         label sf12 = "How intense are the orgasms in the past 6 months?: 4:Much more intense - 0:Much
less intense";
485         label qtip_rst = "Q-tip test: Resting Angle";
486         label qtip_str = "Q-Tip Test: Angle at Maximum Straining";
487         label diab = "Diabetes";
488         label wt_kg = "Weight";
489         label uitrtsurg = "Any UI Treatment/Surgery";
490         label vdelcat = "Vaginal deliveries categories: 1, 2, 3 and >=4";
491         label gas_inc = "gas incontinence";
492         label liq_inc = "liquid incontinence";
493         label sol_inc = "solid incontinence";
494         label d_popq = "POPQ D";
495         label pb_popq = "POPQ PB";
496         label tvl_popq = "POPQ TVL";
497         label stress_mixed = "New variable for incontinence type: 1: stress only, 2: stress
predominant, 3: mixed";
498
499  run;
NOTE: There were 597 observations read from the data set WORK.TMAID.
NOTE: There were 597 observations read from the data set WORK.BASELINE_TM.
NOTE: The data set WORK.TOMUSBASE has 597 observations and 187 variables.
NOTE: DATA statement used (Total process time):
      real time             0.68 seconds
      cpu time              0.40 seconds
```