NLSY79 APPENDIX 8:

HIGHEST GRADE COMPLETED & ENROLLMENT STATUS VARIABLE CREATION: 1990-2000

The series of programming statements contained in this appendix were used in the standard computations for the created Highest Grade Completed (HGC) and Enrollment Status as of May 1st Survey Year variables from 1990–2000.

In addition to the standard created variables, revised versions of the HGC and Enrollment Status variables for all survey years (1979–2000) have been added to the NLSY79 main data file. The general sources of error in the standard created variables were:

- grade "reversals", in which a respondent completed a lower grade in a later year, rather than staying in the same grade or advancing: The programs included below did not account for these cases, the largest source of which have been respondents enrolled in college
- respondents with incomplete or ambiguous school information, preventing the computation in a given year of a HGC or Enrollment Status variable (a problem which can then continue through subsequent years, even if the respondent reported attending school in later survey years)

Decision rules for adjustments reflected in the revised variables include:

- Cases with grade reversals were coded as the highest grade completed previously reported by the respondent
- A minimum HGC code of 12 was assigned to cases in which no high school diploma or GED had been received, but some college attendance was reported
- An HGC code of 16 was assigned to cases in which a four-year degree had obviously been earned in 5 or more years
- Cases in which the highest grade completed was reported as "ungraded" were assigned the previous highest grade completed reported by the respondent
- HGC values were evaluated in comparison to the May 1st of survey year date and corrected if necessary
- Cases in which the longitudinal record is highly erratic and HGC could not be computed or revised reliably were assigned a code of "-3" (invalid missing)

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1990

```
/*  The following spss code is applied to the data before the pli program is executed.  The purpose of the code
        */
/*  is to appropriately recode selected 1979 and 1980 variables.                                   */
/*  do if (R2283 eq 0 or R2282 eq 0) compute DLEMO79=R2287          compute          DLEYR79=R2288
        */
/*  else                            compute DLEMO79=R169compute DLEYR79=R170 */
/*  end if                                                                                         */
/*  do if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0)   compute DLEMO80=R2287
        */
/*                                      compute DLEYR80=R2288                                      */
/*  end if                                                                                         */
/*  do if (R2275 eq 0 or R2276 eq 0) compute GRADE79=R2277                                         */
/*  else                            compute GRADE79=R2286                                          */
/*  end if                                                                                         */
/*  do if (R2280 ge 0)              compute HGCS79=R2280                          */
/*  else                                    compute HGCS79=R173                                    */
/*  end if                                                                                         */
/*  if (R2276 eq 0 and R2286 gt 0) R156=1
        */
/*************************************************************************************************
************************/

 DCL 1 INREC7989,

2 CURAT(79:89)  PIC '------9',       /*  R(  156.) R( 2285.) R( 4168.) R( 6639.) R( 9053.) R(12052.)  */
                                     /*  R(16045.) R(19050.) R(23059.) R(25084.) R(29075.)           */
2 DIP(79:89)    PIC '------9',       /*  R(  183.) R( 2300.) R( 4182.) R( 6653.) R( 9067.) R(12066.)  */
                                     /*  R(16059.) R(19061.) R(23070.) R(25095.) R(29086.)           */
2 DLEMO(79:89)  PIC '------9',       /*  DLEMO79   DLEMO80   R( 4170.) R( 6641.) R( 9055.) R(12054.)
          */
                                     /*  R(16047.) R(19052.) R(23061.) R(25086.) R(29077.)           */
2 DLEYR(79:89)  PIC '------9',       /*  DLEYR79   DLEYR80   R( 4171.) R( 6642.) R( 90546) R(12055.)  */
                                     /*  R(16048.) R(19053.) R(23062.) R(25087.) R(29078.)           */
2 GRADE(79:89)  PIC '------9',       /*  GRADE79   R( 2286.) R( 4169.) R( 6640.) R( 9054.) R(12053.)  */
                                     /*  R(16046.) R(19051.) R(23060.) R(25085.) R(29076.)           */
2 HGA(79:89)    PIC '------9',       /*  R(  172.) R( 2291.) R( 4173.) R( 6644.) R( 9058.) R(12057.)  */
                                     /*  R(16050.) R(19055.) R(23064.) R(25089.) R(29080.)           */
2 HGC(79:89)    PIC '------9',       /*  R( 2167.) R( 4064.) R( 6189.) R( 8982.) R(11450.) R(15202.)  */
                                     /*  R(18909.) R(22580.) R(24454.) R(28711.) R(30748.)           */
2 HGCS(79:89)   PIC '------9',       /*  HGCS79    R( 2292.) R( 4174.) R( 6645.) R( 9059.) R(12058.)  */
                                     /*  R(16051.) R(19056.) R(23065.) R(25090.) R(29081.)           */
2 INTMO(79:89)  PIC '------9',       /*  R( 1725.) R( 3292.) R( 5307.) R( 8099.) R(10457.) R(14275.)  */
                                     /*  R(17946.) R(21562.) R(23657.) R(27425.) R(29861.)           */
2 WEIGHT(79:89) PIC '9999999'; /*  R( 2161.) R( 4052.) R( 6146.) R( 8967.) R(11444.) R(15196.)  */
                                     /*  R(18902.) R(22573.) R(24445.) R(28700.) R(30738.)           */

 DCL 1 INREC90,
   2 WEIGHT_90 PIC '9999999',   /*  R(34002.)  */
   2 SCHOOL_90,
     5 ASLI_90    PIC '------9',       /*  R(31070.)  */       5 CURAT_90   PIC '------9',      /*  R(31096.)  */
     5 DIP_90     PIC '------9',       /*  R(31107.)  */       5 DLEMO_90   PIC '------9',      /*  R(31098.)  */
     5 DLEYR_90   PIC '------9',       /*  R(31099.)  */       5 GRADE_90   PIC '------9',      /*  R(31097.)  */
     5 HGA_90     PIC '------9',       /*  R(31101.)  */       5 HGCS_90    PIC '------9',      /*  R(31102.)  */
     5 INTMO_90   PIC '------9',       /*  R(33025.)  */       5 HAVEDIP_90 PIC '------9',      /*  R(31106.)  */
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```
    5 ATTCOL_90  PIC '------9';    /*compute ATTCOL_91=0*/ /*if R(31103.)>3 then ATTCOL_91=1*/
    5 GRA_90     PIC '------9',    /*  compute GRA_91=-3                */
                                   /*  if R(31096.)=1  then GRA_91=R(31097.)                */
                                   /*  else if R(31096.)=0 then GRA_91=R(31101.)            */
                                   /*  else if R(31070.)=0 then GRA_91=-4                */

/*  CREATION OF HIGHEST GRADE COMPLETED and ENROLLMENT STATUS AS OF 5-1-90   */
  HGC_90=-4; ENROLL_90=-4;
  do I=80 to 89;
    if WEIGHT(I)=0 then do; HGCS(I)=-5; GRADE(I)=-5; end;
  end;
  if WEIGHT_90=0 then do; HGCS_90=-5; GRADE_90=-5; ENROLL_90=-5; HGC_90=-5; end;

 if WEIGHT_90>0 then do;
  if ASLI_90=0 & (HAVEDIP_90=-4 ! HAVEDIP_90=0) then do;
     if WEIGHT(89)>0 then do;
       if INTMO(89)>=5 & (CURAT(89)=1 ! (DLEMO(89)>=5 & DLEYR(89)=89)) &
         HGCS(89)>HGC(89) then HGC_90=HGCS(89);          else HGC_90=HGC(89);
     end;
     else if WEIGHT(88)>0 then do;
       if INTMO(88)>=5 & (CURAT(88)=1 ! (DLEMO(88)>=5 & DLEYR(88)=88)) &
         HGCS(88)>HGC(88) then HGC_90=HGCS(88);          else HGC_90=HGC(88);
     end;
     else if WEIGHT(87)>0 then do;
       if INTMO(87)>=5 & (CURAT(87)=1 ! (DLEMO(87)>=5 & DLEYR(87)=87)) &
         HGCS(87)>HGC(87) then HGC_90=HGCS(87);          else HGC_90=HGC(87);
     end;
     else if WEIGHT(86)>0 then do;
       if INTMO(86)>=5 & (CURAT(86)=1 ! (DLEMO(86)>=5 & DLEYR(86)=86)) &
         HGCS(86)>HGC(86) then HGC_90=HGCS(86);          else HGC_90=HGC(86);
     end;
     else if WEIGHT(85)>0 then do;
       if INTMO(85)>=5 & (CURAT(85)=1 ! (DLEMO(85)>=5 & DLEYR(85)=85)) &
         HGCS(85)>HGC(85) then HGC_90=HGCS(85);          else HGC_90=HGC(85);
     end;
     else if WEIGHT(84)>0 then do;
       if INTMO(84)>=5 & (CURAT(84)=1 ! (DLEMO(84)>=5 & DLEYR(84)=84)) &
         HGCS(84)>HGC(84) then HGC_90=HGCS(84);          else HGC_90=HGC(84);
     end;
     else if WEIGHT(83)>0 then do;
       if INTMO(83)>=5 & (CURAT(83)=1 ! (DLEMO(83)>=5 & DLEYR(83)=83)) &
         HGCS(83)>HGC(83) then HGC_90=HGCS(83);          else HGC_90=HGC(83);
     end;
     else if WEIGHT(82)>0 then do;
       if INTMO(82)>=5 & (CURAT(82)=1 ! (DLEMO(82)>=5 & DLEYR(82)=82)) &
         HGCS(82)>HGC(82) then HGC_90=HGCS(82);          else HGC_90=HGC(82);
     end;
     else if WEIGHT(81)>0 then do;
       if INTMO(81)>=5 & (CURAT(81)=1 ! (DLEMO(81)>=5 & DLEYR(81)=81)) &
         HGCS(81)>HGC(81) then HGC_90=HGCS(81);          else HGC_90=HGC(81);
     end;
     else if WEIGHT(80)>0 then do;
       if INTMO(80)>=5 & (CURAT(80)=1 ! (DLEMO(80)>=5 & DLEYR(80)=80)) &
         HGCS(80)>HGC(80) then HGC_90=HGCS(80);          else HGC_90=HGC(80);
     end;
     else do;
```

```
    if INTMO(79)>=5 & (CURAT(79)=1 ! (DLEMO(79)>=5 & DLEYR(79)=79)) &
      HGCS(79)>HGC(79) then HGC_90=HGCS(79);          else HGC_90=HGC(79);
  end;
  if HGC_90>=12 then ENROLL_90=4;          else if HGC_90>=0 then ENROLL_90=1;
end;
else if ASLI_90=1 then do;
  if HGCS_90<=0 then do;
    if CURAT_90=1 & GRADE_90>=1 then do; HGC_90=GRADE_90-1;
      if HGC_90>=12 then ENROLL_90=3;          else ENROLL_90=2;
    end;
    else if CURAT_90=0 & HGA_90>=1 then do;
      if DLEYR_90<90 ! DLEMO_90<5 then do; HGC_90=HGA_90;
        if HGC_90>=12 then ENROLL_90=4;          else ENROLL_90=1;
      end;
      else do; HGC_90=HGA_90-1;
        if HGC_90>=12 then ENROLL_90=4;          else ENROLL_90=1;
      end;
    end;
  end;
  else do;
    if HGCS_90=HGA_90 ! HGCS_90=GRADE_90 then do;
      if (DLEYR_90=90 & DLEMO_90>=5) ! (INTMO_90>=5 & CURAT_90=1) then do;
        HGC_90=HGCS_90-1;
        if HGC_90>=12 then ENROLL_90=3;          else ENROLL_90=2;
      end;
      else HGC_90=HGCS_90;
    end;
    if HGCS_90=HGA_90-1 ! HGCS_90=GRADE_90-1 then HGC_90=HGCS_90;
    else if (HGCS_90<HGA_90 & HGA_90>0 & HGA_90<20) ! (HGCS_90<GRADE_90 &
        GRADE_90>0 & GRADE_90<20) then HGC_90=HGCS_90;
    if ENROLL_90=-4 & CURAT_90=1 & HGC_90>=0 then do;
      if HGC_90>=12 then ENROLL_90=3;          else ENROLL_90=2;
    end;
    if ENROLL_90=-4 & CURAT_90=0 & HGC_90>=0 then do;
      if HGC_90>=12 then ENROLL_90=4;          else ENROLL_90=1;
    end;
  end;
end;
if ((HGC_90=10 ! HGC_90=11) & (HAVEDIP_90=1 ! ATTCOL_90=1)) ! (DIP_90=2 & HGC_90<12) !
      (HGC_90=-4 & (DIP_90=1 ! DIP_90=3)) then do;
  HGC_90=12;
  if ENROLL_90>0 then ENROLL_90=5-ENROLL_90;
  else if CURAT_90=1 ! (DLEYR_90=90 & DLEMO_90>=5) then ENROLL_90=3; else
      ENROLL_90=4;
end;
else if HGC_90<0 & DIP_90=-3 then do; HGC_90=-3; ENROLL_90=-3; end;
if HGC_90>20 then do; HGC_90=-3; ENROLL_90=-3; end;
if HGC_90>HGC(89)+3 & HGC(89)>0 & DIP_90^=2 & DIP_90^=3 then do;
  HGC_90=-3; ENROLL_90=-3;
end;
if HGC_90>0 & HGC_90<HGC(89)-1 ! (HGC(89)=12 & HGC_90=11) then do;
  HGC_90=-3; ENROLL_90=-3;
end;
if (DIP(79)>1 ! DIP(80)>1 ! DIP(81)>1 ! DIP(82)>1 ! DIP(83)>1 ! DIP(84)>1 ! DIP(85)>1 ! DIP(86)>1 !
      DIP(87)>1 ! DIP(88)>1 ! DIP(89)>1) & HGC_90<12 then do;
  HGC_90 =12; if ENROLL_90=1 ! ENROLL_90<0 then ENROLL_90=4;
```

```
    end;
    if HGC_90=-3 & ENROLL_90=-4 then ENROLL_90=-3;
    else if HGC_90=-4 & ENROLL_90=-4 then do; HGC_90=-3; ENROLL_90=-3; end;
end;

HGC_90=R(34015.); ENROLL_90=R(34016.);

/* Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected
school variables. Values of -3 are recoded to valid values where auxilliary information indicates. However,
there are a number of -3's computed for highest grade completed and enrollment status that remain. */
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1991

```
/*  The following spss code is applied to the data before the PLI program is executed.  The purpose of the
          code   */
/*  is to appropriately recode selected 1979 and 1980 variables.
                */
/*  do if (R2283 eq 0 or R2282 eq 0) compute DLEMO79=R2287          compute DLEYR79=R2288
                */
/*  else                             compute DLEMO79=R169           compute DLEYR79=R170 */
/*  end if                                                                               */
/*  do if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0)                                     */
/*  compute DLEMO80=R2287            compute DLEYR80=R2288                 end if
                */
/*  do if (R2275 eq 0 or R2276 eq 0) compute GRADE79=R2277                               */
/*  else                             compute GRADE79=R2286                 end if
                */
/*  do if (R2280 ge 0)               compute HGCS79=R2280                                */
/*  else                             compute HGCS79=R173                   end if
                */
/*  if (R2276 eq 0 and R2286 gt 0) R156=1
                */
/*************************************************************************************
          ************************/

 DCL 1 INREC7990,
    2 CURAT(79:90)  PIC '------9',    /*R(  156.) R( 2285.) R( 4168.) R( 6639.) R( 9053.) R(12052.)  */
                                      /*R(16045.) R(19050.) R(23059.) R(25084.) R(29075.) R(31096.)  */
    2 DIP(79:90)    PIC '------9',    /*R(  183.) R( 2300.) R( 4182.) R( 6653.) R( 9067.) R(12066.)  */
                                      /*R(16059.) R(19061.) R(23070.) R(25095.) R(29086.) R(31107.)  */
    2 DLEMO(79:90)  PIC '------9',    /*DLEMO79   DLEMO80   R( 4170.) R( 6641.) R( 9055.) R(12054.)*/
                                      /*R(16047.) R(19052.) R(23061.) R(25086.) R(29077.) R(31098.)  */
    2 DLEYR(79:90)  PIC '------9',    /*DLEYR79   DLEYR80   R( 4171.) R( 6642.) R( 90546) R(12055.)  */
                                      /*R(16048.) R(19053.) R(23062.) R(25087.) R(29078.) R(31099.)  */
    2 GRADE(79:90)  PIC '------9',    /*GRADE79   R( 2286.) R( 4169.) R( 6640.) R( 9054.) R(12053.)  */
                                      /*R(16046.) R(19051.) R(23060.) R(25085.) R(29076.) R(31097.)  */
    2 HGA(79:90)    PIC '------9',    /*R(  172.) R( 2291.) R( 4173.) R( 6644.) R( 9058.) R(12057.)  */
                                      /*R(16050.) R(19055.) R(23064.) R(25089.) R(29080.) R(31101.)  */
    2 HGC(79:90)    PIC '------9',    /*R( 2167.) R( 4064.) R( 6189.) R( 8982.) R(11450.) R(15202.)  */
                                      /*R(18909.) R(22580.) R(24454.) R(28711.) R(30748.) R(34015.)  */
    2 HGCS(79:90)   PIC '------9',    /*HGCS79    R( 2292.) R( 4174.) R( 6645.) R( 9059.) R(12058.)  */
                                      /*R(16051.) R(19056.) R(23065.) R(25090.) R(29081.) R(31102.)  */
    2 INTMO(79:90)  PIC '------9',    /*R( 1725.) R( 3292.) R( 5307.) R( 8099.) R(10457.) R(14275.)  */
                                      /*R(17946.) R(21562.) R(23657.) R(27425.) R(29861.) R(33025.)  */
    2 WEIGHT(79:90) PIC '9999999'; /*R( 2161.) R( 4052.) R( 6146.) R( 8967.) R(11444.) R(15196.)  */
                                      /*R(18902.) R(22573.) R(24445.) R(28700.) R(30738.) R(34002.)  */

 DCL 1 INREC91,
    2 WEIGHT_91    PIC '9999999',  /*  R(36558.)  */
    2 SCHOOL_91,
     5 ASLI_91    PIC '------9',      /*R(35070.)*/          5 CURAT_91   PIC '------9',    /*R(35096.)*/
     5 DIP_91     PIC '------9',      /*R(35107.)*/          5 DLEMO_91   PIC '------9',    /*R(35098.)*/
     5 DLEYR_91   PIC '------9',      /*R(35099.)*/          5 GRADE_91   PIC '------9',    /*R(35097.)*/
     5 HGA_91     PIC '------9',      /*R(35101.)*/          5 HGCS_91    PIC '------9',    /*R(35102.)*/
     5 INTMO_91   PIC '------9',      /*R(35734.)*/          5 HAVEDIP_91 PIC '------9',    /*R(35106.)*/
     5 ATTCOL_91  PIC '------9';      /*  compute ATTCOL_91=0                              */
                                      /*  if R(35103.)>3 then ATTCOL_91=1        */
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   5 GRA_91     PIC '------9',        /*  compute GRA_91=-3                          */
                                      /*  if R(35096.)=1 then GRA_91=R(35097.) */
                                      /*  else if R(35096.)=0 then GRA_91=R(35101.)  */
                                      /*  else if R(35070.)=0 then GRA_91=-4         */

/*  CREATION OF HIGHEST GRADE COMPLETED and ENROLLMENT STATUS AS OF 5-1-91  */
   HGC_91=-4;     ENROLL_91=-4;
   do I=80 to 90; if WEIGHT(I)=0 then do; HGCS(I)=-5; GRADE(I)=-5; end; end;
   if WEIGHT_91=0 then do; HGCS_91=-5; GRADE_91=-5; ENROLL_91=-5; HGC_91=-5; end;

 if WEIGHT_91>0 then do;
  if ASLI_91=0 & (HAVEDIP_91=-4 ! HAVEDIP_91=0) then do;
    if WEIGHT(90)>0 then do;
       if INTMO(90)>=5 & (CURAT(90)=1 ! (DLEMO(90)>=5 & DLEYR(90)=90)) &
         HGCS(90)>HGC(90) then HGC_91=HGCS(90);                    else HGC_91=HGC(90);
     end;
    if WEIGHT(89)>0 then do;
       if INTMO(89)>=5 & (CURAT(89)=1 ! (DLEMO(89)>=5 & DLEYR(89)=89)) &
         HGCS(89)>HGC(89) then HGC_91=HGCS(89);                    else HGC_91=HGC(89);
     end;
     else if WEIGHT(88)>0 then do;
       if INTMO(88)>=5 & (CURAT(88)=1 ! (DLEMO(88)>=5 & DLEYR(88)=88)) &
         HGCS(88)>HGC(88) then HGC_91=HGCS(88);                    else HGC_91=HGC(88);
     end;
     else if WEIGHT(87)>0 then do;
       if INTMO(87)>=5 & (CURAT(87)=1 ! (DLEMO(87)>=5 & DLEYR(87)=87)) &
         HGCS(87)>HGC(87) then HGC_91=HGCS(87);                    else HGC_91=HGC(87);
     end;
     else if WEIGHT(86)>0 then do;
       if INTMO(86)>=5 & (CURAT(86)=1 ! (DLEMO(86)>=5 & DLEYR(86)=86)) &
         HGCS(86)>HGC(86) then HGC_91=HGCS(86);                    else HGC_91=HGC(86);
     end;
     else if WEIGHT(85)>0 then do;
       if INTMO(85)>=5 & (CURAT(85)=1 ! (DLEMO(85)>=5 & DLEYR(85)=85)) &
         HGCS(85)>HGC(85) then HGC_91=HGCS(85);                    else HGC_91=HGC(85);
     end;
     else if WEIGHT(84)>0 then do;
       if INTMO(84)>=5 & (CURAT(84)=1 ! (DLEMO(84)>=5 & DLEYR(84)=84)) &
         HGCS(84)>HGC(84) then HGC_91=HGCS(84);                    else HGC_91=HGC(84);
     end;
     else if WEIGHT(83)>0 then do;
       if INTMO(83)>=5 & (CURAT(83)=1 ! (DLEMO(83)>=5 & DLEYR(83)=83)) &
         HGCS(83)>HGC(83) then HGC_91=HGCS(83);                    else HGC_91=HGC(83);
     end;
     else if WEIGHT(82)>0 then do;
       if INTMO(82)>=5 & (CURAT(82)=1 ! (DLEMO(82)>=5 & DLEYR(82)=82)) &
         HGCS(82)>HGC(82) then HGC_91=HGCS(82);                    else HGC_91=HGC(82);
     end;
     else if WEIGHT(81)>0 then do;
       if INTMO(81)>=5 & (CURAT(81)=1 ! (DLEMO(81)>=5 & DLEYR(81)=81)) &
         HGCS(81)>HGC(81) then HGC_91=HGCS(81);                    else HGC_91=HGC(81);
     end;
     else if WEIGHT(80)>0 then do;
       if INTMO(80)>=5 & (CURAT(80)=1 ! (DLEMO(80)>=5 & DLEYR(80)=80)) &
         HGCS(80)>HGC(80) then HGC_91=HGCS(80);                    else HGC_91=HGC(80);
     end;
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  else do;
    if INTMO(79)>=5 & (CURAT(79)=1 ! (DLEMO(79)>=5 & DLEYR(79)=79)) &
      HGCS(79)>HGC(79) then HGC_91=HGCS(79);                    else HGC_91=HGC(79);
  end;
  if HGC_91>=12 then ENROLL_91=4;                  else if HGC_91>=0 then ENROLL_90=1;
end;
else if ASLI_91=1 then do;
  if HGCS_91<=0 then do;
    if CURAT_91=1 & GRADE_91>=1 then do;          HGC_91=GRADE_91-1;
      if HGC_91>=12 then ENROLL_91=3;             else ENROLL_91=2;
    end;
    else if CURAT_91=0 & HGA_91>=1 then do;
      if DLEYR_91<90 ! DLEMO_91<5 then do;         HGC_91=HGA_91;
        if HGC_91>=12 then ENROLL_91=4;            else ENROLL_91=1;
      end;
      else do;                                  HGC_91=HGA_91-1;
        if HGC_91>=12 then ENROLL_91=4;            else ENROLL_91=1;
      end;
    end;
  end;
  else do;
    if HGCS_91=HGA_91 ! HGCS_91=GRADE_91 then do;
      if (DLEYR_91=91 & DLEMO_91>=5) ! (INTMO_91>=5 & CURAT_91=1) then do;
        HGC_91=HGCS_91-1;
        if HGC_91>=12 then ENROLL_91=3;            else ENROLL_91=2;
      end;
      else HGC_91=HGCS_91;
    end;
    if HGCS_91=HGA_91-1 ! HGCS_91=GRADE_91-1 then HGC_91=HGCS_91;
    else if (HGCS_91<HGA_91 & HGA_91>0 & HGA_91<20) ! (HGCS_91<GRADE_91 &
        GRADE_91>0 & GRADE_91<20) then HGC_91=HGCS_91;
    if ENROLL_91=-4 & CURAT_91=1 & HGC_91>=0 then do;
      if HGC_91>=12 then ENROLL_91=3;             else ENROLL_91=2;
    end;
    if ENROLL_91=-4 & CURAT_91=0 & HGC_91>=0 then do;
      if HGC_91>=12 then ENROLL_91=4;             else ENROLL_91=1;
    end;
  end;
end;
if ((HGC_91=10 ! HGC_91=11) & (HAVEDIP_91=1 ! ATTCOL_91=1)) ! (DIP_91=2 & HGC_91<12) !
      (HGC_91=-4 & (DIP_91=1 ! DIP_91=3)) then do; HGC_91=12;
  if ENROLL_91>0 then ENROLL_91=5-ENROLL_90;
  else if CURAT_91=1 ! (DLEYR_91=91 & DLEMO_91>=5) then ENROLL_91=3;
  else ENROLL_91=4;
end;
else if HGC_91<0 & DIP_91=-3 then do; HGC_91=-3; ENROLL_91=-3; end;
if HGC_91>20 then do; HGC_91=-3; ENROLL_91=-3; end;
if HGC_91>HGC(90)+3 & HGC(90)>0 & DIP_91^=2 & DIP_91^=3 then do;
  HGC_91=-3; ENROLL_91=-3;
end;
if HGC_91>0 & HGC_91<HGC(90)-1 ! (HGC(90)=12 & HGC_91=11) then do;
  HGC_91=-3; ENROLL_91=-3;
end;
if (DIP(79)>1 ! DIP(80)>1 ! DIP(81)>1 ! DIP(82)>1 ! DIP(83)>1 ! DIP(84)>1 ! DIP(85)>1 ! DIP(86)>1 !
      DIP(87)>1 ! DIP(88)>1 ! DIP(89)>1 ! DIP(90)>1) & HGC_91<12 then do; HGC_91=12;
  if ENROLL_91=1 ! ENROLL_91<0 then ENROLL_91=4;
```

```
    end;
    if HGC_91=-3 & ENROLL_91=-4 then ENROLL_91=-3;
    else if HGC_91=-4 & ENROLL_91=-4 then do; HGC_91=-3; ENROLL_91=-3; end;
end;

HGC_91=R(36569.)          ENROLL_91=R(36570.)

/*  Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected
            school */
/*  variables.  Values of -3 are recoded to valid values where auxilliary information indicates.  However, there
                  */
/*  are a number of -3's computed for highest grade completed and enrollment status that remain.
                  */
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1992

```
/*  The following code is applied to the data before the PLI program is executed.  The purpose of the code is
        to      */
/*  appropriately recode selected 1979 and 1980 variables.                                          */
/* if (R2283 eq 0 or R2282 eq 0) then do; DLEMO79=R2287; DLEYR79=R2288; end;
                */
/*  else do; DLEMO79=R169; DLEYR79=R170; end;
                */
/* if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0) then do; DLEMO80=R2287; DLEYR80=R2288; end;
                */
/*  if (R2275 eq 0 or R2276 eq 0) then GRADE79=R2277 ; else GRADE79=R2286;
                */
/*  if (R2280 ge 0) then HGCS79=R2280; else compute HGCS79=R173; end if;                            */
/*  if (R2276 eq 0 and R2286 gt 0) R156=1
                */

        /*************************************************************************************
        ***********************************/

DCL 1 INREC79OLD,
   2 CURAT(79:LASTYR)  PIC '------9',     /*  R(  156.) R( 2285.) R( 4168.) R( 6639.) R( 9053.) R(12052.)
        R(16045.) R(19050.) R(23059.) R(25084.) R(29075.) R(31096.) R(35096.)  */
   2 DIP(79:LASTYR)    PIC '------9',                  /*  R(  183.) R( 2300.) R( 4182.) R( 6653.) R( 9067.)
        R(12066.) R(16059.) R(19061.) R(23070.) R(25095.) R(29086.) R(31107.) R(35107.)  */
   2 DLEMO(79:LASTYR)  PIC '------9',     /*  DLEMO79   DLEMO80   R( 4170.) R( 6641.) R( 9055.)
        R(12054.) R(16047.) R(19052.) R(23061.) R(25086.) R(29077.) R(31098.) R(35098.)  */
   2 DLEYR(79:LASTYR)  PIC '------9',     /*  DLEYR79   DLEYR80   R( 4171.) R( 6642.) R( 90546)
        R(12055.) R(16048.) R(19053.) R(23062.) R(25087.) R(29078.) R(31099.) R(35099.)  */
   2 GRADE(79:LASTYR)  PIC '------9',     /*  GRADE79   R( 2286.) R( 4169.) R( 6640.) R( 9054.)
        R(12053.) R(16046.) R(19051.) R(23060.) R(25085.) R(29076.) R(31097.) R(35097.)  */
   2 HGA(79:LASTYR)    PIC '------9',     /*  R(  172.) R( 2291.) R( 4173.) R( 6644.) R( 9058.) R(12057.)
        R(16050.) R(19055.) R(23064.) R(25089.) R(29080.) R(31101.) R(35101.)  */
   2 HGC(79:LASTYR)    PIC '------9',     /*  R( 2167.) R( 4064.) R( 6189.) R( 8982.) R(11450.)
        R(15202.) R(18909.) R(22580.) R(24454.) R(28711.) R(30748.) R(34015.) R(36569.) */
   2 HGCS(79:LASTYR)   PIC '------9',     /*  HGCS79    R( 2292.) R( 4174.) R( 6645.) R( 9059.)
        R(12058.) R(16051.) R(19056.) R(23065.) R(25090.) R(29081.) R(31102.) R(35102.)  */
   2 INTMO(79:LASTYR)  PIC '------9',     /*  R( 1725.) R( 3292.) R( 5307.) R( 8099.) R(10457.)
        R(14275.) R(17946.) R(21562.) R(23657.) R(27425.) R(29861.) R(33025.) R(35734.)  */
   2 WEIGHT(79:LASTYR) PIC '9999999',  /*  R( 2161.) R( 4052.) R( 6146.) R( 8967.) R(11444.)
        R(15196.) /*  R(18902.) R(22573.) R(24445.) R(28700.) R(30738.) R(34002.) R(36558.)  */
   2 WEIGHT92    PIC '9999999';              /*  R(36558.)  */

DCL 1 INRECNEW ,
   2 NORCID_CUR PIC '------9',
   2 INTOB_CUR     PIC '9999999',          /*  DUMMY  */
   2 SCHOOL_CUR,
    5 ASLI_CUR    PIC '------9',     /*  R(37070.)  */
    5 CURAT_CUR   PIC '------9',             /*  R(37096.)  */
    5 DIP_CUR     PIC '------9',      /*  R(37107.)  */
    5 DLEMO_CUR   PIC '------9',             /*  R(37098.)  */
    5 DLEYR_CUR   PIC '------9',             /*  R(37099.)  */
    5 GRA_CUR     PIC '------9',    /*  compute GRA_CUR=-3          */
                                             /*  if R(37096.)=1 then GRA_CUR=R(37096.)          */
```

```
                                        /*  else if R(37096.)=0 then GRA_CUR=R(37100.)
                  */
                                        /*  else if R(37070.)=0 then GRA_CUR=-4
                  */
    5 GRADE_CUR   PIC '------9',        /*  R(37097.)  */
    5 HGA_CUR     PIC '------9',    /*  R(37101.)  */
    5 HGCS_CUR    PIC '------9',    /*  R(37102.)  */
    5 INTMO_CUR   PIC '------9',        /*  R(39176.)  */
    5 HAVEDIP_CUR PIC '------9',        /*  R(37106.)  */
    5 ATTCOL_CUR  PIC '------9';        /*  compute ATTCOL_CUR=0                */
                                        /*  if R(37102.)>3 then ATTCOL_CUR=1    */

/*  CREATION OF HIGHEST GRADE COMPLETED and ENROLLMENT STATUS AS OF 5-1-92 */
  HGC_CUR=-4; ENROLL_CUR=-4;
  do I=80 to LASTYR;
    if WEIGHT(I)=0 then do; HGCS(I)=-5; GRADE(I)=-5; end;
  end;
 if WEIGHT92 > 0 then do;
  if ASLI_CUR=0 & (HAVEDIP_CUR=-4 | HAVEDIP_CUR=0) then do;         /* ATT NO */
  do I = LASTYR to 79 BY -1 WHILE(HGC_CUR = -4);                    /* SEARCH */
    if WEIGHT(I) > 0 then do;                                       /* SEARCH INT YES */
       if INTMO(I)>=5 & (CURAT(I)=1 | (DLEMO(I)>=5 & DLEYR(I)=I)) &
         HGCS(I)>HGC(I) then HGC_CUR=HGCS(I);                       else HGC_CUR=HGC(I);
     end;                                                           /* SEARCH INT YES */
   end;                                                             /* SEARCH */
     if HGC_CUR>=12 then ENROLL_CUR=4;
     else if HGC_CUR>=0 then ENROLL_CUR=1;
  end;                                                              /* ATT NO */
   if ASLI_CUR=1 then do;                                           /*ASLI = YES */
     if HGCS_CUR <=0 then do;                                       /* HGC_CUR STILL -4 */
       if CURAT_CUR=1 & GRADE_CUR>=1 then do;                       /* CURAT and GRADE */
         HGC_CUR=GRADE_CUR-1;
         if HGC_CUR>=12 then ENROLL_CUR=3;                          else ENROLL_CUR=2;
       end;                                                         /* CURAT and GRADE */
       else if CURAT_CUR=0 & HGA_CUR>=1 then do;                    /* NOTCURAT BUT  GRADE */
         if DLEYR_CUR<LASTYR | DLEMO_CUR<5 then do;                 /* DATES */
           HGC_CUR=HGA_CUR;
           if HGC_CUR>=12 then ENROLL_CUR=4;                        else ENROLL_CUR=1;
         end;                                                       /* DATES */
         else do; HGC_CUR=HGA_CUR-1;
           if HGC_CUR>=12 then ENROLL_CUR=4;                        else ENROLL_CUR=1;
         end;                                                       /* DATES OK */
       end;                                                         /* NOTCURAT BUT  GRADE */
     end;                                                           /* HGC_CUR STILL -4 */
     else do;                                                       /*ENROLL  */
       if HGCS_CUR=HGA_CUR | HGCS_CUR=GRADE_CUR then do;
         if (DLEYR_CUR=CURANTYR & DLEMO_CUR>=5) | (INTMO_CUR>=5 & CURAT_CUR=1)
           then do; HGC_CUR=HGCS_CUR-1;
           if HGC_CUR>=12 then ENROLL_CUR=3;                        else ENROLL_CUR=2;
         end;
         else HGC_CUR=HGCS_CUR; end;
       if HGCS_CUR=HGA_CUR-1 | HGCS_CUR=GRADE_CUR-1 then HGC_CUR=HGCS_CUR;
       else if (HGCS_CUR<HGA_CUR & HGA_CUR>0 & HGA_CUR<20) |
            (HGCS_CUR<GRADE_CUR & GRADE_CUR>0 & GRADE_CUR<20) then
            HGC_CUR=HGCS_CUR;
       if ENROLL_CUR=-4 & CURAT_CUR=1 & HGC_CUR>=0 then do;
```

```
        if HGC_CUR>=12 then ENROLL_CUR=3;                    else ENROLL_CUR=2;
      end;
      if ENROLL_CUR=-4 & CURAT_CUR=0 & HGC_CUR>=0 then do;
        if HGC_CUR>=12 then ENROLL_CUR=4;                    else ENROLL_CUR=1;
     end;
    end;
  end;                                                       /* ASLI = YES */
  if ((HGC_CUR=10 | HGC_CUR=11) & (HAVEDIP_CUR=1 | ATTCOL_CUR=1)) | (DIP_CUR=2 &
          HGC_CUR<12) | (HGC_CUR=-4 & (DIP_CUR=1 | DIP_CUR=3)) then do; HGC_CUR=12;
    if ENROLL_CUR>0 then ENROLL_CUR=5-ENROLL_CUR;
    else if CURAT_CUR=1 | (DLEYR_CUR=LASTYR & DLEMO_CUR>=5) then ENROLL_CUR=3;
    else ENROLL_CUR=4;
  end;
  else if HGC_CUR<0 & DIP_CUR=-3 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
  if HGC_CUR>20 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
 if HGC_CUR>HGC(LASTYR)+3 & HGC(LASTYR)>0 & DIP_CUR^=2 & DIP_CUR^=3 then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
  end;
  if HGC_CUR>0 & HGC_CUR<HGC(LASTYR)-1 | (HGC(LASTYR)=12 & HGC_CUR=11) then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
  end;
 end;                                                        /*NEW */
    TRU= 0;
  do I=79 to LASTYR BY 1;
    if DIP(I)>1 then TRU =1;end;
    if TRU = 1 & HGC_CUR<12 then HGC_CUR=12;
    if TRU = 1 & (ENROLL_CUR=1 | ENROLL_CUR<0) then ENROLL_CUR=4;
    if HGC_CUR=-3 & ENROLL_CUR=-4 then ENROLL_CUR=-3;
  else if HGC_CUR=-4 & ENROLL_CUR=-4 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;

/*  Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected
          school */
/*  variables.  Values of -3 are recoded to valid values where auxilliary information indicates.  However,
          there    */
/*  are a number of -3s computed for highest grade completed and enrollment status that remain.
                */

HGC_92=R(36569.) ENROLL_92=R(36570.)
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1993

```
/*  The following code is applied to the data before the PLI program is executed.  The purpose of the code is
        to      */
/*  appropriately recode selected 1979 and 1980 variables.                                          */
/* if (R2283 eq 0 or R2282 eq 0) then do; DLEMO79=R2287; DLEYR79=R2288; end;
        */
/*  else do; DLEMO79=R169; DLEYR79=R170; end;
        */
/* if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0) then do; DLEMO80=R2287; DLEYR80=R2288; end;
        */
/*  if (R2275 eq 0 or R2276 eq 0) then GRADE79=R2277 ; else GRADE79=R2286;
        */
/*  if (R2280 ge 0) then HGCS79=R2280; else compute HGCS79=R173; end if;                            */
/*  if (R2276 eq 0 and R2286 gt 0) R156=1
        */

        /*************************************************************************************
        ***********************************/

DCL 1 INREC79OLD,
   2 NORCID_OLD PIC '------9',
   2 PUBID_OLD PIC '------9',
   2 CURAT(79:LASTYR)  PIC '------9',     /*  R(  156.) R( 2285.) R( 4168.) R( 6639.) R( 9053.) R(12052.)
        R(16045.) R(19050.) R(23059.) R(25084.) R(29075.) R(31096.) R(35096.) R(37096.) */
   2 DIP(79:LASTYR)    PIC '------9',        /*  R(  183.) R( 2300.) R( 4182.) R( 6653.) R( 9067.) R(12066.)
        R(16059.) R(19061.) R(23070.) R(25095.) R(29086.) R(31107.) R(35107.) R(37107.) */
   2 DLEMO(79:LASTYR)  PIC '------9',     /*  DLEMO79   DLEMO80   R( 4170.) R( 6641.) R( 9055.)
        R(12054.) R(16047.) R(19052.) R(23061.) R(25086.) R(29077.) R(31098.) R(35098.) R(37098.) */
   2 DLEYR(79:LASTYR)  PIC '------9',     /*  DLEYR79   DLEYR80   R( 4171.) R( 6642.) R( 90546)
        R(12055.) R(16048.) R(19053.) R(23062.) R(25087.) R(29078.) R(31099.) R(35099.) R(37099.) */
   2 GRADE(79:LASTYR)  PIC '------9',     /*  GRADE79   R( 2286.) R( 4169.) R( 6640.) R( 9054.)
        R(12053.) R(16046.) R(19051.) R(23060.) R(25085.) R(29076.) R(31097.) R(35097.) R(37097.) */
   2 HGA(79:LASTYR)    PIC '------9',        /*  R(  172.) R( 2291.) R( 4173.) R( 6644.) R( 9058.) R(12057.)
        R(16050.) R(19055.) R(23064.) R(25089.) R(29080.) R(31101.) R(35101.) R(37101.) */
   2 HGC(79:LASTYR)    PIC '------9',        /*  R( 2167.) R( 4064.) R( 6189.) R( 8982.) R(11450.)
        R(15202.) R(18909.) R(22580.) R(24454.) R(28711.) R(30748.) R(34015.) R(36569.) R(40074.)*/
   2 HGCS(79:LASTYR)   PIC '------9',        /*  HGCS79    R( 2292.) R( 4174.) R( 6645.) R( 9059.)
        R(12058.) R(16051.) R(19056.) R(23065.) R(25090.) R(29081.) R(31102.) R(35102.) R(37102.) */
   2 INTMO(79:LASTYR)  PIC '------9',     /*  R( 1725.) R( 3292.) R( 5307.) R( 8099.) R(10457.)
        R(14275.) R(17946.) R(21562.) R(23657.) R(27425.) R(29861.) R(33025.) R(35734.) R(39176.) */
   2 WEIGHT(79:LASTYR) PIC '9999999';  /*  R( 2161.) R( 4052.) R( 6146.) R( 8967.) R(11444.)
        R(15196.) R(18902.) R(22573.) R(24445.) R(28700.) R(30738.) R(34002.) R(36558.) R(40063.) */

DCL 1 INRECNEW,
   2 NORCID_CUR PIC '------9',
   2 INTOB_CUR     PIC '9999999',          /*  DUMMY  */
   2 SCHOOL_CUR,
    5 ASLI_CUR    PIC '------9',     /*  R(41347.)  */
    5 CURAT_CUR   PIC '------9',          /*  R(41374.)  */
    5 DIP_CUR     PIC '------9',      /*  R(41385.)  */
    5 DLEMO_CUR   PIC '------9',          /*  R(41376.)  */
    5 DLEYR_CUR   PIC '------9',          /*  R(41376.01.)  */
    5 GRA_CUR     PIC '------9',    /*  compute GRA_CUR=-3                                  */
                                          /*  if R(41374.)=1 then GRA_CUR=R(41374.)          */
```

```
                                        /*  else if R(41374.)=0 then GRA_CUR=R(41378.)
                  */
                                        /*  else if R(41347.)=0 then GRA_CUR=-4
                  */
    5 GRADE_CUR   PIC '------9',        /*  R(41375.)  */
    5 HGA_CUR     PIC '------9',    /*  R(41378.)  */
    5 HGCS_CUR    PIC '------9',    /*  R(41379.)  */
    5 INTMO_CUR   PIC '------9',        /*  R(41002.)  */
    5 HAVEDIP_CUR PIC '------9',        /*  R(41384.)  */
    5 ATTCOL_CUR  PIC '------9';        /*  compute ATTCOL_CUR=0                */
                                        /*  if R(41379.)>3 then ATTCOL_CUR=1    */

/*  CREATION OF HIGHEST GRADE COMPLETED and ENROLLMENT STATUS AS OF 5-1-93 */
  HGC_CUR=-4; ENROLL_CUR=-4;
  do I=80 to LASTYR;
    if WEIGHT(I)=0 then do; HGCS(I)=-5; GRADE(I)=-5; end;
  end;
  if ASLI_CUR=0 & (HAVEDIP_CUR=-4 | HAVEDIP_CUR=0) then do;          /* ATT NO */
  do I = LASTYR to 79 BY -1 WHILE(HGC_CUR = -4);                     /* SEARCH */
    if WEIGHT(I) > 0 then do;                                        /* SEA INT YES */
       if INTMO(I)>=5 & (CURAT(I)=1 | (DLEMO(I)>=5 & DLEYR(I)=I)) & HGCS(I)>HGC(I) then
            HGC_CUR=HGCS(I);
       else HGC_CUR=HGC(I);
    end;                                                             /* SEA INT YES */
  end;                                                               /* SEARCH */
    if HGC_CUR>=12 then ENROLL_CUR=4;
    else if HGC_CUR>=0 then ENROLL_CUR=1;
 end;                                                                /* - ATT NO */
  if ASLI_CUR=1 then do;                                                    /*ASLI = YES */
    if HGCS_CUR <=0 then do;                                         /* HGC_CUR STILL -4 */
      if CURAT_CUR=1 & GRADE_CUR>=1 then do;                                /* CURAT and GRADE */
        HGC_CUR=GRADE_CUR-1;
        if HGC_CUR>=12 then ENROLL_CUR=3;                           else ENROLL_CUR=2;
      end;                                                           /* CURAT and GRADE */
      else if CURAT_CUR=0 & HGA_CUR>=1 then do;                             /* NOTCURAT BUT GRADE */
        if DLEYR_CUR<LASTYR | DLEMO_CUR<5 then do;                              /* DATES */
          HGC_CUR=HGA_CUR;
          if HGC_CUR>=12 then ENROLL_CUR=4;                         else ENROLL_CUR=1;
        end;                                                         /* DATES */
        else do;
          HGC_CUR=HGA_CUR-1;
          if HGC_CUR>=12 then ENROLL_CUR=4;                         else ENROLL_CUR=1;
        end;                                                         /* DATES OK */
      end;                                                                  /* NOTCURAT BUT GRADE */
    end;                                                             /* HGC_CUR STILL -4 */
    else do;                                                                /*ENROLL  */
      if HGCS_CUR=HGA_CUR | HGCS_CUR=GRADE_CUR then do;
        if (DLEYR_CUR=CURANTYR & DLEMO_CUR>=5) | (INTMO_CUR>=5 & CURAT_CUR=1)
          then do; HGC_CUR=HGCS_CUR-1;
          if HGC_CUR>=12 then ENROLL_CUR=3;                          else ENROLL_CUR=2;
        end;
        else HGC_CUR=HGCS_CUR;
      end;
      if HGCS_CUR=HGA_CUR-1 | HGCS_CUR=GRADE_CUR-1 then HGC_CUR=HGCS_CUR;
```

```
      else if (HGCS_CUR<HGA_CUR & HGA_CUR>0 & HGA_CUR<20) |
           (HGCS_CUR<GRADE_CUR & GRADE_CUR>0 & GRADE_CUR<20) then
           HGC_CUR=HGCS_CUR;
      if ENROLL_CUR=-4 & CURAT_CUR=1 & HGC_CUR>=0 then do;
        if HGC_CUR>=12 then ENROLL_CUR=3;          else ENROLL_CUR=2;
      end;
      if ENROLL_CUR=-4 & CURAT_CUR=0 & HGC_CUR>=0 then do;
        if HGC_CUR>=12 then ENROLL_CUR=4;          else ENROLL_CUR=1;
      end;
    end;
  end;                                                    /* ASLI = YES */
  if ((HGC_CUR=10 | HGC_CUR=11) & (HAVEDIP_CUR=1 | ATTCOL_CUR=1)) | (DIP_CUR=2 &
           HGC_CUR<12) | (HGC_CUR=-4 & (DIP_CUR=1 | DIP_CUR=3)) then do;
    HGC_CUR=12;
    if ENROLL_CUR>0 then ENROLL_CUR=5-ENROLL_CUR;
    else if CURAT_CUR=1 | (DLEYR_CUR=LASTYR & DLEMO_CUR>=5) then ENROLL_CUR=3;
    else ENROLL_CUR=4;
  end;
  else if HGC_CUR<0 & DIP_CUR=-3 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
  if HGC_CUR>20 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
 if HGC_CUR>HGC(LASTYR)+3 & HGC(LASTYR)>0 & DIP_CUR^=2 & DIP_CUR^=3 then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
  end;
  if HGC_CUR>0 & HGC_CUR<HGC(LASTYR)-1 | (HGC(LASTYR)=12 & HGC_CUR=11) then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
     end;
    TRU= 0;
  do I=79 to LASTYR BY 1;
    if DIP(I)>1 then TRU =1;end;
    if TRU = 1 & HGC_CUR<12 then HGC_CUR=12;
    if TRU = 1 & (ENROLL_CUR=1 | ENROLL_CUR<0) then ENROLL_CUR=4;
    if HGC_CUR=-3 & ENROLL_CUR=-4 then ENROLL_CUR=-3;
  else if HGC_CUR=-4 & ENROLL_CUR=-4 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;

/*  Each instance of -3 for highest grade completed and enrollment status  is reviewed by checking selected
          school */
/*  variables.  Values of -3 are recoded to valid values where auxilliary information indicates.  However
                , there     */
/*  are a number of -3s computed for highest grade completed and enrollment status that remain.
                */

/* HGC_93=R(44185.)    */
/* ENROLL_93=R(44186.) */
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1994

```
 /*  The following code is applied to the data before the PLI program is executed.  The purpose     */
 /*  of the code is to appropriately recode selected 1979 and 1980 variables.
                    */
/* if (R2283 eq 0 or R2282 eq 0) then do; DLEMO79=R2287; DLEYR79=R2288;end;                 */
 /*  else do; DLEMO79=R169; DLEYR79=R170; end;                                            */
 /* if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0) then do; DLEMO80=R2287; DLEYR80=R2288; end;
            */
 /*  if (R2275 eq 0 or R2276 eq 0) then GRADE79=R2277 ; else GRADE79=R2286;                 */
 /*  if (R2280 ge 0) then HGCS79=R2280; else compute HGCS79=R173; end if;              */
 /*  if (R2276 eq 0 and R2286 gt 0) R156=1                                                  */

          /*************************************************************************
          ********************************/

 DCL 1 OUTREC,
    2 PUBID PIC '------9',
    2 NORCID PIC '------9',
    2 HGC_CUR PIC '------9',
    2 ENROLL_CUR PIC '------9';
   /*  2 CASEIDD CHAR(9), */
 DCL 1 INREC79OLD,
    2 NORCID_OLD PIC '------9',
    2 PUBID_OLD PIC '------9',
    2 CURAT(79:LASTYR)  PIC '------9',    /*R(  156.) R( 2285.) R( 4168.) R( 6639.) R( 9053.) R(12052.)
          R(16045.) R(19050.) R(23059.) R(25084.) R(29075.) R(31096.) R(35096.) R(37096.) R(41374.)
          */
    2 DIP(79:LASTYR)    PIC '------9',       /*R(  183.) R( 2300.) R( 4182.) R( 6653.) R( 9067.) R(12066.)
          R(16059.) R(19061.) R(23070.) R(25095.) R(29086.) R(31107.) R(35107.) R(37107.)
          R(41384.)*/
    2 DLEMO(79:LASTYR)  PIC '------9',    /*DLEMO79 DLEMO80 R( 4170.) R( 6641.) R( 9055.)
          R(12054.) R(16047.) R(19052.) R(23061.) R(25086.) R(29077.) R(31098.) R(35098.) R(37098.)
          R(41376.)*/
    2 DLEYR(79:LASTYR)  PIC '------9',    /*DLEYR79 DLEYR80 R( 4171.) R( 6642.) R( 90546)
          R(12055.) R(16048.) R(19053.) R(23062.) R(25087.) R(29078.) R(31099.) R(35099.) R(37099.)
          R(41376.01.)*/
    2 GRADE(79:LASTYR)  PIC '------9',    /*GRADE79 R( 2286.) R( 4169.) R( 6640.) R( 9054.)
          R(12053.) R(16046.) R(19051.) R(23060.) R(25085.) R(29076.) R(31097.) R(35097.) R(37097.)
          R(41375.)*/
    2 HGA(79:LASTYR)    PIC '------9',       /*R(  172.) R( 2291.) R( 4173.) R( 6644.) R( 9058.) R(12057.)
          R(16050.) R(19055.) R(23064.) R(25089.) R(29080.) R(31101.) R(35101.) R(37101.)
          R(41378.)*/
    2 HGC(79:LASTYR)    PIC '------9',       /*R( 2167.) R( 4064.) R( 6189.) R( 8982.) R(11450.)
          R(15202.) R(18909.) R(22580.) R(24454.) R(28711.) R(30748.) R(34015.) R(36569.) R(40074.)
          R(44185.)*/
    2 HGCS(79:LASTYR)   PIC '------9',      /*HGCS79 R( 2292.) R( 4174.) R( 6645.) R( 9059.) R(12058.)
          R(16051.) R(19056.) R(23065.) R(25090.) R(29081.) R(31102.) R(35102.) R(37102.)
          (R41379.)*/
    2 INTMO(79:LASTYR)  PIC '------9',    /*R( 1725.) R( 3292.) R( 5307.) R( 8099.) R(10457.)
          R(14275.) R(17946.) R(21562.) R(23657.) R(27425.) R(29861.) R(33025.) R(35734.) R(39176.)
          R(41002.)*/
     2 WEIGHT(79:LASTYR) PIC '9999999';  /*R( 2161.) R( 4052.) R( 6146.) R( 8967.) R(11444.)
          R(15196.) R(18902.) R(22573.) R(24445.) R(28700.) R(30738.) R(34002.) R(36558.) R(40063.)
          R(44174.)*/
   /*   2 CASEID CHAR(9), */
```

```
 /*   2 RNICUR    PIC '9999999';  - R(50805.)  */

DCL 1 INRECNEW,
   2 NORCID_CUR PIC '------9',
   2 INTOB_CUR     PIC '9999999',          /*  DUMMY  */
   2 SCHOOL_CUR,
     5 ASLI_CUR    PIC '------9',    /*  R(45233.)  */
     5 CURAT_CUR   PIC '------9',           /*  R(45260.)  */
     5 DIP_CUR     PIC '------9',     /*  R(45271.)  */
     5 DLEMO_CUR   PIC '------9',           /*  R(45262.)  */
     5 DLEYR_CUR   PIC '------9',           /*  R(45262.01)  */
     5 GRA_CUR     PIC '------9',   /*  compute GRA_CUR=-3                          */
                                    /*  if R(45260.)=1 then GRA_CUR=R(45260.)       */
                                    /*  else if R(45260.)=0 then GRA_CUR=R(45264.)  */
                                    /*  else if R(45265.)=0 then GRA_CUR=-4   */
     5 GRADE_CUR   PIC '------9',           /*  R(45261.)  */
     5 HGA_CUR     PIC '------9',   /*  R(45264.)  */
     5 HGCS_CUR    PIC '------9',           /*  R(45265.)  */
     5 INTMO_CUR   PIC '------9',           /*  R(45002.)  */
     5 HAVEDIP_CUR PIC '------9',           /*  R(45270.)  */
     5 ATTCOL_CUR  PIC '------9';           /*  compute ATTCOL_CUR=0                */
                                    /*  if R(45267.)>3 or R(45268.)>3 or          */
                                    /*    R(45278.)=1 then ATTCOL_CUR=1    */

/*  CREATION OF HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF 5-1-94 */

  HGC_CUR=-4; ENROLL_CUR=-4;
  do I=80 to LASTYR;
    if WEIGHT(I)=0 then do; HGCS(I)=-5; GRADE(I)=-5; end;
  end;
 /*IN 94 OLD AND NEW FILES HAVE ONLY INTERVIEWS */
 /* IF THERE IS A NEED TO UNCOMMENT LOOP BELOW  */
/* IF RNICUR=-4 then do;       -  LOOP NEW */
  if ASLI_CUR=0 & (HAVEDIP_CUR=-4 | HAVEDIP_CUR=0) then do;       /* ATT NO */
  do I = LASTYR to 79 BY -1 WHILE(HGC_CUR = -4);                  /* SEARCH */
    if WEIGHT(I) > 0 then do;                                     /* SEA INT YES */
       if INTMO(I)>=5 & (CURAT(I)=1 | (DLEMO(I)>=5 & DLEYR(I)=I)) &
         HGCS(I)>HGC(I) then HGC_CUR=HGCS(I);                        else HGC_CUR=HGC(I);
     end;                                                         /* SEA INT YES */
   end;                                                           /* SEARCH */
     if HGC_CUR>=12 then ENROLL_CUR=4;
     else if HGC_CUR>=0 then ENROLL_CUR=1;
 end; /* - ATT NO */
  if ASLI_CUR=1 then do;                                                 /*ASLI = YES */
    if HGCS_CUR <=0 then do;                                             /* HGC_CUR STILL -4 */
      if CURAT_CUR=1 & GRADE_CUR>=1 then do;                             /* CURAT and GRADE */
        HGC_CUR=GRADE_CUR-1;
        if HGC_CUR>=12 then ENROLL_CUR=3;                                   else ENROLL_CUR=2;
      end;                                                               /* CURAT and GRADE */
      else if CURAT_CUR=0 & HGA_CUR>=1 then do;                          /* NOTCURAT BUT GRADE */
        if DLEYR_CUR<LASTYR | DLEMO_CUR<5 then do;                       /* DATES */
          HGC_CUR=HGA_CUR;
          if HGC_CUR>=12 then ENROLL_CUR=4;                                 else ENROLL_CUR=1;
        end;                                                             /* DATES */
         else do;
          HGC_CUR=HGA_CUR-1;
```

```
          if HGC_CUR>=12 then ENROLL_CUR=4;                    else ENROLL_CUR=1;
        end;                                                  /* DATES OK */
      end;                                                    /* NOTCURAT BUT GRADE */
    end;                                                      /* HGC_CUR STILL -4 */
    else do;                                                        /*ENROLL  */
      if HGCS_CUR=HGA_CUR | HGCS_CUR=GRADE_CUR then do;
        if (DLEYR_CUR=CURANTYR & DLEMO_CUR>=5) | (INTMO_CUR>=5 & CURAT_CUR=1)
          then do; HGC_CUR=HGCS_CUR-1;
          if HGC_CUR>=12 then ENROLL_CUR=3;                    else ENROLL_CUR=2;
        end;
        else HGC_CUR=HGCS_CUR;
      end;
      if HGCS_CUR=HGA_CUR-1 | HGCS_CUR=GRADE_CUR-1 then HGC_CUR=HGCS_CUR;
       else if (HGCS_CUR<HGA_CUR & HGA_CUR>0 & HGA_CUR<20) |
          (HGCS_CUR<GRADE_CUR & GRADE_CUR>0 & GRADE_CUR<20) then
          HGC_CUR=HGCS_CUR;
      if ENROLL_CUR=-4 & CURAT_CUR=1 & HGC_CUR>=0 then do;
        if HGC_CUR>=12 then ENROLL_CUR=3;                    else ENROLL_CUR=2;
      end;
      if ENROLL_CUR=-4 & CURAT_CUR=0 & HGC_CUR>=0 then do;
        if HGC_CUR>=12 then ENROLL_CUR=4;                    else ENROLL_CUR=1;
     end;
    end;
  end;                                                        /* ASLI = YES */
  if ((HGC_CUR=10 | HGC_CUR=11) & (HAVEDIP_CUR=1 | ATTCOL_CUR=1)) |(DIP_CUR=2 &
          HGC_CUR<12) | (HGC_CUR=-4 & (DIP_CUR=1 | DIP_CUR=3)) then do;
    HGC_CUR=12;
    if ENROLL_CUR>0 then ENROLL_CUR=5-ENROLL_CUR;
    else if CURAT_CUR=1 | (DLEYR_CUR=LASTYR & DLEMO_CUR>=5) then ENROLL_CUR=3;
    else ENROLL_CUR=4;
  end;
  else if HGC_CUR<0 & DIP_CUR=-3 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
  if HGC_CUR>20 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
 if HGC_CUR>HGC(LASTYR)+3 & HGC(LASTYR)>0 & DIP_CUR^=2 & DIP_CUR^=3 then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
  end;
  if HGC_CUR>0 & HGC_CUR<HGC(LASTYR)-1 | (HGC(LASTYR)=12 & HGC_CUR=11) then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
  end;
   /* end; LOOP NEW IN 94 OLD AND NEW FILES HAVE ONLY INTERVIEWS */
         /*      IF THERE IS A NEED TO UNCOMMENT THIS END     */
    TRU= 0;
  do I=79 to LASTYR BY 1;
    if DIP(I)>1 then TRU =1;end;
    if TRU = 1 & HGC_CUR<12 then HGC_CUR=12;
    if TRU = 1 & (ENROLL_CUR=1 | ENROLL_CUR<0) then ENROLL_CUR=4;
    if HGC_CUR=-3 & ENROLL_CUR=-4 then ENROLL_CUR=-3;
  else if HGC_CUR=-4 & ENROLL_CUR=-4 then do;
    HGC_CUR=-3; ENROLL_CUR=-3;
  end;

/*  Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected
          */
/*  school variables.  Values of -3 are recoded to valid values where auxilliary information indicates.
          However, */
/*  there are a number of -3s computed for highest grade completed and enrollment status that remain.  */
```

```
/* HGC_94=R(50815.)    */   /* ENROLL_94=R(50816.) */
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1996

```
HGC_CUR=-4;
ENROLL_CUR=-4;
do I=2 to LASTRND;
   if WEIGHT(I)=0 then do; HGCS(I)=-5; GRADE(I)=-5; end;
 end;
/*IN 96 OLD AND NEW FILES HAVE ONLY INTERVIEWS */
/* IF THERE IS A NEED TO UNCOMMENT LOOP BELOW  */
/* if RNICUR=-4 then do;       -  LOOP NEW */
 if ASLI_CUR=0 & (HAVEDIP_CUR=-4 | HAVEDIP_CUR=0) then do;        /* ATT NO */
 do I = LASTRND to 1 BY -1 WHILE(HGC_CUR = -4);                   /* SEARCH */
   if WEIGHT(I) > 0 then do;                                      /* SEA INT YES */
      if INTMO(I)>=5 & (CURAT(I)=1 | (DLEMO(I)>=5 & DLEYR(I)=INTYR(I))) &
        HGCS(I)>HGC(I) then HGC_CUR=HGCS(I);                     else HGC_CUR=HGC(I);
    end;                                                          /* SEA INT YES */
 end;                                                             /* SEARCH */
    if HGC_CUR>=12 then ENROLL_CUR=4; else if HGC_CUR>=0 then ENROLL_CUR=1;
end;                                                              /* - ATT NO */
 if ASLI_CUR=1 then do;                                                 /*ASLI = YES */
   if HGCS_CUR <=0 then do;                                             /*HGC_CUR STILL -4*/
     if CURAT_CUR=1 & GRADE_CUR>=1 then do;                             /* CURAT and GRADE */
       HGC_CUR=GRADE_CUR-1;
       if HGC_CUR>=12 then ENROLL_CUR=3;                                else ENROLL_CUR=2;
     end;                                                             /* CURAT and GRADE */
     else if CURAT_CUR=0 & HGA_CUR>=1 then do;                        /* NOTCURAT BUT GRADE */
       if DLEYR_CUR<LASTYR | DLEMO_CUR<5 then do;                     /* DATES */
         HGC_CUR=HGA_CUR;
         if HGC_CUR>=12 then ENROLL_CUR=4;                              else ENROLL_CUR=1;
       end;                                                           /* DATES */
       else do;
         HGC_CUR=HGA_CUR-1;
         if HGC_CUR>=12 then ENROLL_CUR=4;                              else ENROLL_CUR=1;
       end;                                                           /* DATES OK */
     end;                                                             /* NOTCURAT BUT GRADE */
   end;                                                               /* HGC_CUR STILL -4 */
   else do;                                                                 /*ENROLL  */
     if HGCS_CUR=HGA_CUR | HGCS_CUR=GRADE_CUR then do;
       if (DLEYR_CUR=CURANTYR & DLEMO_CUR>=5) | (INTMO_CUR>=5 & CURAT_CUR=1)
         then do; HGC_CUR=HGCS_CUR-1;
         if HGC_CUR>=12 then ENROLL_CUR=3;                              else ENROLL_CUR=2;
       end;
       else HGC_CUR=HGCS_CUR;
     end;
     if HGCS_CUR=HGA_CUR-1 | HGCS_CUR=GRADE_CUR-1 then HGC_CUR=HGCS_CUR;
      else if (HGCS_CUR<HGA_CUR & HGA_CUR>0 & HGA_CUR<20) |
          (HGCS_CUR<GRADE_CUR & GRADE_CUR>0 & GRADE_CUR<20) then
          HGC_CUR=HGCS_CUR;
     if ENROLL_CUR=-4 & CURAT_CUR=1 & HGC_CUR>=0 then do;
       if HGC_CUR>=12 then ENROLL_CUR=3;                              else ENROLL_CUR=2;
     end;
     if ENROLL_CUR=-4 & CURAT_CUR=0 & HGC_CUR>=0 then do;
       if HGC_CUR>=12 then ENROLL_CUR=4;                              else ENROLL_CUR=1;
    end;
   end;
 end;                                                               /* ASLI = YES */
```

```
 if ((HGC_CUR=10 | HGC_CUR=11) & (HAVEDIP_CUR=1 | ATTCOL_CUR=1)) | (DIP_CUR=2 &
          HGC_CUR<12) | (HGC_CUR=-4 & (DIP_CUR=1 | DIP_CUR=3)) then do;
   HGC_CUR=12;
   if ENROLL_CUR>0 then ENROLL_CUR=5-ENROLL_CUR;
   else if CURAT_CUR=1 | (DLEYR_CUR=LASTYR & DLEMO_CUR>=5) then ENROLL_CUR=3;
   else ENROLL_CUR=4;
 end;
 else if HGC_CUR<0 & DIP_CUR=-3 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
 if HGC_CUR>20 then do; HGC_CUR=-3; ENROLL_CUR=-3; end;
if HGC_CUR>HGC(LASTRND)+3 & HGC(LASTRND)>0 & DIP_CUR^=2 & DIP_CUR^=3 then do;
   HGC_CUR=-3; ENROLL_CUR=-3;
 end;
 if HGC_CUR>0 & HGC_CUR<HGC(LASTRND)-1 | (HGC(LASTRND)=12 & HGC_CUR=11) then
          do;
   HGC_CUR=-3; ENROLL_CUR=-3;
    end;
  /* end; LOOP NEW IN 96 OLD AND NEW FILES HAVE ONLY INTERVIEWS */
        /*      IF THERE IS A NEED TO UNCOMMENT THIS END     */
   TRU= 0;
 do I=1 to LASTRND BY 1;
   if DIP(I)>1 then TRU =1;end;
   if TRU = 1 & HGC_CUR<12 then HGC_CUR=12;
   if TRU = 1 & (ENROLL_CUR=1 | ENROLL_CUR<0) then ENROLL_CUR=4;
   if HGC_CUR=-3 & ENROLL_CUR=-4 then ENROLL_CUR=-3;
 else if HGC_CUR=-4 & ENROLL_CUR=-4 then do;
   HGC_CUR=-3;
   ENROLL_CUR=-3;
 end;

/*  Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected
          */
/*  school variables.  Values of -3 are recoded to valid values where auxi lliary information indicates.
                  */
/*  However, there are a number of -3s computed for highest grade completed and enrollment status that */
/*  remain.                          */

/* HGC_96=R(51668.)    */  /* ENROLL_96=R(51669.) */
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 1998

NOTE: The PL/1 code used to create Highest Grade Completed and Enrollment Status variables through the 1996 release was converted to SPSS code for 1998 and subsequent releases.

```
/*  The following code is applied to the data before the PLI program is executed.  The purpose of */
/*  the code is to appropriately recode selected 1979 and 1980 variables.                          */
/* if (R2283 eq 0 or R2282 eq 0) then do dlemo79=R2287 dleyr79=R2288 end                           */
/*  else do dlemo79=R169 dleyr79=R170 end                                                  */
/* if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0) then do dlemo80=R2287 dleyr80=R2288 end   */
/*  if (R2275 eq 0 or R2276 eq 0) then GRADE79=R2277  else GRADE79=R2286                   */
/*  if (R2280 ge 0) then hgcs79=R2280 else compute hgcs79=R173                     */
/*  ENDIF                                                                          */
/*  if (R2276 eq 0 and R2286 gt 0) R156=1                                                  */

        /*************************************************************************************
        *********************************/

/* CREATE HIGHEST GRADE COMPLETED and ENROLLMENT STATUS AS OF 5-1-1998 */

compute HGC_CUR=-4
compute ENR_CUR=-4

do repeat HGCS=HGCS2 to HGCS17
       /GRADE=GRADE2 to GRADE17
       /WEIGHT=WEIGHT2 to WEIGHT17
. do if (WEIGHT eq 0)
. compute HGCS=-5
. compute GRADE= -5
. end if
end repeat PRINT

do if (NORCID eq 146944)
compute HGCS17=-5
compute GRADE17=-5
end if

compute WGT1B=WEIGHT17      compute WGT2B=WEIGHT16      compute WGT3B=WEIGHT15
compute WGT4B=WEIGHT14      compute WGT5B=WEIGHT13      compute WGT6B=WEIGHT12
compute WGT7B=WEIGHT11      compute WGT8B=WEIGHT10      compute WGT9B=WEIGHT9
compute WGT10B=WEIGHT8      compute WGT11B=WEIGHT7      compute WGT12B=WEIGHT6
compute WGT13B=WEIGHT5      compute WGT14B=WEIGHT4      compute WGT15B=WEIGHT3
compute WGT16B=WEIGHT2      compute WGT17B=WEIGHT1

compute INTMO1B=INTMO17     compute INTMO2B=INTMO16     compute INTMO3B=INTMO15
compute INTMO4B=INTMO14     compute INTMO5B=INTMO13     compute INTMO6B=INTMO12
compute INTMO7B=INTMO11     compute INTMO8B=INTMO10     compute INTMO9B=INTMO9
compute INTMO10B=INTMO8     compute INTMO11B=INTMO7     compute INTMO12B=INTMO6
compute INTMO13B=INTMO5     compute INTMO14B=INTMO4     compute INTMO15B=INTMO3
compute INTMO16B=INTMO2     compute INTMO17B=INTMO1

compute INTYR1B=INTYR17     compute INTYR2B=INTYR16     compute INTYR3B=INTYR15
compute INTYR4B=INTYR14     compute INTYR5B=INTYR13     compute INTYR6B=INTYR12
compute INTYR7B=INTYR11     compute INTYR8B=INTYR10     compute INTYR9B=INTYR9
compute INTYR10B=INTYR8     compute INTYR11B=INTYR7     compute INTYR12B=INTYR6
compute INTYR13B=INTYR5     compute INTYR14B=INTYR4     compute INTYR15B=INTYR3
```

```
compute INTYR16B=INTYR2      compute INTYR17B=INTYR1

compute CURAT1B=CURAT17      compute CURAT2B=CURAT16      compute
        CURAT3B=CURAT15
compute CURAT4B=CURAT14      compute CURAT5B=CURAT13      compute
        CURAT6B=CURAT12
compute CURAT7B=CURAT11      compute CURAT8B=CURAT10      compute CURAT9B=CURAT9
compute CURAT10B=CURAT8      compute CURAT11B=CURAT7      compute
        CURAT12B=CURAT6
compute CURAT13B=CURAT5      compute CURAT14B=CURAT4      compute
        CURAT15B=CURAT3
compute CURAT16B=CURAT2      compute CURAT17B=CURAT1

compute DLEMO1B=DLEMO17      compute DLEMO2B=DLEMO16      compute
        DLEMO3B=DLEMO15
compute DLEMO4B=DLEMO14      compute DLEMO5B=DLEMO13      compute
        DLEMO6B=DLEMO12
compute DLEMO7B=DLEMO11      compute DLEMO8B=DLEMO10      compute DLEMO9B=DLEMO9
compute DLEMO10B=DLEMO8      compute DLEMO11B=DLEMO7      compute
        DLEMO12B=DLEMO6
compute DLEMO13B=DLEMO5      compute DLEMO14B=DLEMO4      compute
        DLEMO15B=DLEMO3
compute DLEMO16B=DLEMO2      compute DLEMO17B=DLEMO1

compute DLEYR1B=DLEYR17      compute DLEYR2B=DLEYR16      compute
        DLEYR3B=DLEYR15
compute DLEYR4B=DLEYR14      compute DLEYR5B=DLEYR13      compute
        DLEYR6B=DLEYR12
compute DLEYR7B=DLEYR11      compute DLEYR8B=DLEYR10      compute DLEYR9B=DLEYR9
compute DLEYR10B=DLEYR8      compute DLEYR11B=DLEYR7      compute
        DLEYR12B=DLEYR6
compute DLEYR13B=DLEYR5      compute DLEYR14B=DLEYR4      compute
        DLEYR15B=DLEYR3
compute DLEYR16B=DLEYR2      compute DLEYR17B=DLEYR1

compute HGCS1B=HGCS17        compute HGCS2B=HGCS16        compute HGCS3B=HGCS15
compute HGCS4B=HGCS14        compute HGCS5B=HGCS13        compute HGCS6B=HGCS12
compute HGCS7B=HGCS11        compute HGCS8B=HGCS10        compute HGCS9B=HGCS9
compute HGCS10B=HGCS8        compute HGCS11B=HGCS7        compute HGCS12B=HGCS6
compute HGCS13B=HGCS5        compute HGCS14B=HGCS4        compute HGCS15B=HGCS3
compute HGCS16B=HGCS2        compute HGCS17B=HGCS1

compute HGC1B=HGC17          compute HGC2B=HGC16          compute HGC3B=HGC15
compute HGC4B=HGC14          compute HGC5B=HGC13          compute HGC6B=HGC12
compute HGC7B=HGC11          compute HGC8B=HGC10          compute HGC9B=HGC9
compute HGC10B=HGC8          compute HGC11B=HGC7          compute HGC12B=HGC6
compute HGC13B=HGC5          compute HGC14B=HGC4          compute HGC15B=HGC3
compute HGC16B=HGC2          compute HGC17B=HGC1

do repeat WEIGHT=WGT1B to WGT17B   /* ASLI eq NO */
      /INTMO=INTMO1B to INTMO17B
      /CURAT=CURAT1B to CURAT17B
      /DLEMO=DLEMO1B to DLEMO17B
      /DLEYR=DLEYR1B to DLEYR17B
      /INTYR=INTYR1B to INTYR17B
      /HGCS=HGCS1B to HGCS17B
```

```
      /HGC=HGC1B to HGC17B
. LOOP if (ASLI_CUR eq 0 and (HVDIP_C eq -4 or HVDIP_C eq 0) and FLAG98 eq 1)
.  do if (HGC_CUR eq -4 and WEIGHT gt 0 and INTMO ge 5 and (CURAT eq 1 or (DLEMO ge 5 and
          DLEYR eq INTYR)) and HGCS gt HGC)          .  compute HGC_CUR=HGCS
.  else if (HGC_CUR eq -4 and WEIGHT gt 0)          .  compute HGC_CUR=HGC
.  end if
. end LOOP if (WEIGHT gt 0 and HGC_CUR ne -4 and FLAG98 eq 0)
end repeat PRINT
do if (HGC_CUR ge 12) compute ENR_CUR=4
else if (HGC_CUR ge 0) compute ENR_CUR=1
end if

do if (ASLI_CUR eq 1 and FLAG98 eq 1 and HGCS_CUR le 0)          /*ASLI eq YES */
                                                                 /*HGC_CUR STILL -4 */
.  do if (CURAT_C eq 1 and GRADE_C ge 1)                         /*CURAT and GRADE */
.  compute HGC_CUR=(GRADE_C - 1)
.    do if (HGC_CUR ge 12)      .    compute ENR_CUR=3
.    else                       .    compute ENR_CUR=2
.    end if
.  else if (CURAT_C eq 0 and HGA_CUR ge 1)                       /*NOT CURAT BUT GRADE */
.   do if (DLEYR_C lt LASTYR or DLEMO_C lt 5)                        /* DATES */
.   compute HGC_CUR=HGA_CUR
.    do if (HGC_CUR ge 12)      .    compute ENR_CUR=4
.    else                       .    compute ENR_CUR=1
.    end if
.   end if                                                    /* DATES */
.  else
.  compute HGC_ CUR=(HGA_CUR - 1)
.   do if (HGC_CUR ge 12)       .    compute ENR_CUR=4
.   else                        .    compute ENR_CUR=1
.   end if                                                    /* DATES OK */
.  end if     /* NOTCURAT BUT GRADE */ /* HGC_CUR STILL -4 */
else if (ASLI_CUR eq 1 and FLAG98 eq 1 and (HGCS_CUR eq HGA_CUR or HGCS_CUR eq
          GRADE_C))                                                /* ENROLL */
.  do if ((DLEYR_C eq CURANTYR and DLEMO_C ge 5) or (INTMO_C ge 5 and CURAT_C eq 1))
.  compute HGC_CUR=(HGCS_CUR - 1)
.   do if (HGC_CUR ge 12)       .    compute ENR_CUR=3
.   else                        .    compute ENR_CUR=2
.   end if
.  else
.  compute HGC_CUR=HGCS_CUR
.    do if (HGC_CUR ge 12)      .    compute ENR_CUR=4
.    else                       .    compute ENR_CUR=1
.    end if
.  end if
else if (ASLI_CUR eq 1 and FLAG98 eq 1 and (HGCS_CUR eq (HGA_CUR-1) or HGCS_CUR eq
          (GRADE_C-1)))
compute HGC_CUR=HGCS_CUR
. do if (ENR_CUR eq -4 and CURAT_C eq 1 and HGC_CUR ge 0)
.  do if (HGC_CUR ge 12)          .  compute ENR_CUR=3
.  else                           .  compute ENR_CUR=2
.  end if
. else if (ENR_CUR eq -4 and CURAT_C eq 0 and HGC_ CUR ge 0)
.  do if (HGC_CUR ge 12)          .  compute ENR_CUR=4
.  else                           .  compute ENR_CUR=1
.  end if
```

```
. end if
else if (ASLI_CUR eq 1 and FLAG98 eq 1 and ((HGCS_CUR lt HGA_CUR and HGA_CUR gt 0 and
        HGA_CUR lt 20) or (HGCS_CUR lt GRADE_C and GRADE_C gt 0 and GRADE_C lt 20)))
compute HGC_CUR=HGCS_CUR
. do if (ENR_CUR eq -4 and CURAT_C eq 1 and HGC_CUR ge 0)
.  do if (HGC_CUR ge 12)        .  compute ENR_CUR=3
.  else                         .  compute ENR_CUR=2
.  end if
. else if (ENR_CUR eq -4 and CURAT_C eq 0 and HGC_CUR ge 0)
.  do if (HGC_CUR ge 12)        .  compute ENR_CUR=4
.  else                         .  compute ENR_CUR=1
.  end if
. end if
end if                                                  /* ASLI eq YES */

FREQUENCIES VARIABLES=HGC_CUR ENR_CUR /FORMAT=ONEPAGE

do if (((HGC_CUR eq 10 or HGC_CUR eq 11) and (HVDIP_C eq 1 or ATTCOL_C eq 1)) or (DIP_CUR
        eq 2 and HGC_CUR lt 12) or (HGC_CUR eq -4 and (DIP_CUR eq 1 or DIP_CUR eq 3)))
compute HGC_CUR=12
.  do if (ENR_CUR gt 0)   .  compute ENR_CUR=(5-ENR_CUR)
.  else if (CURAT_C eq 1 or (DLEYR_C eq LASTYR and DLEMO_C ge 5))    .  compute ENR_ CUR=3
.  else                         .  compute ENR_CUR=4
.  end if
else if (HGC_CUR lt 0 and DIP_CUR eq -3)
compute HGC_CUR=-3
compute ENR_CUR=-3
end if

do if (HGC_CUR gt 20)
compute HGC_CUR=-3
compute ENR_CUR=-3
end if

do if (HGC_CUR gt (HGC_DLI + 3) and HGC_DLI gt 0 and DIP_CUR ne 2 and DIP_CUR ne 3)
compute HGC_CUR=-3
compute ENR_CUR=-3
end if

do if ((HGC_CUR gt 0 and HGC_CUR lt (HGC_DLI - 1)) or (HGC_DLI eq 12 and HGC_CUR eq 11))
compute HGC_CUR=-3
compute ENR_CUR=-3
end if


    /* END LOOP NEW IN 96 OLD AND NEW FILES HAVE ONLY INTERVIEWS */
        /*    IF THERE IS A NEED TO UNCOMMENT THIS END    */

compute TRU=0

do repeat DIP=DIP1 to DIP17
if (DIP gt 1) TRU=1
if (TRU eq 1 and HGC_CUR lt 12) HGC_CUR=12
if (TRU eq 1 and (ENR_CUR eq 1 or ENR_CUR lt 0)) ENR_CUR=4
if (HGC_CUR eq -3 and ENR_CUR eq -4) ENR_CUR=-3
end repeat
```

```
do if (FLAG98 eq 0)
compute HGC_CUR=-5
compute ENR_CUR=-5
end if

do if (HGC_CUR eq -4 and FLAG98 eq 1)
compute HGC_CUR=-3
end if

do if (ENR_CUR eq -4 and FLAG98 eq 1)
compute ENR_CUR=-3
end if

/*  Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected
        school variables.  Values of -3 are recoded to valid values where auxilliary information
        indicates.  However, there are a number of -3s computed for highest grade completed and
        enrollment status that remain. */
```

HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF MAY 1, 2000

NOTE: The PL/1 code used to create Highest Grade Completed and Enrollment Status variables through the 1996 release was converted to SPSS code for 1998 and subsequent releases.

```
/*  The following code is applied to the data before the PLI program is executed.  The purpose of  */
 /*  the code is to appropriately recode selected 1979 and 1980 variables.                          */
 /* if (R2283 eq 0 or R2282 eq 0) then do dlemo79=R2287 dleyr79=R2288 end                          */
 /*  else do dlemo79=R169 dleyr79=R170 end                                              */
 /* if (R4052 gt 0 and R2283 ne 0 and R2282 ne 0) then do dlemo80=R2287 dleyr80=R2288 end  */
 /*  if (R2275 eq 0 or R2276 eq 0) then GRADE79=R2277  else GRADE79=R2286                 */
 /*  if (R2280 ge 0) then hgcs79=R2280 else compute hgcs79=R173                        */
 /*  ENDIF                                                                              */
 /*  if (R2276 eq 0 and R2286 gt 0) R156=1                                                  */
/*********************************************************************************
            ************************/

/*  CREATE HIGHEST GRADE COMPLETED AND ENROLLMENT STATUS AS OF 5-1-2000 */

compute hgc_cur=-4                          compute enr_cur=-4

do repeat hgcs=hgcs2 to hgcs18          /grade=grade2 to grade18          /weight=weight2 to weight18
. do if (weight eq 0)          . compute hgcs=-5          . compute grade=-5          . end if
end repeat print

compute wgt1b=weight18          compute wgt2b=weight17          compute wgt3b=weight16
compute wgt4b=weight15          compute wgt5b=weight14          compute wgt6b=weight13
compute wgt7b=weight12          compute wgt8b=weight11          compute wgt9b=weight10
compute wgt10b=weight9          compute wgt11b=weight8          compute wgt12b=weight7
compute wgt13b=weight6          compute wgt14b=weight5          compute wgt15b=weight4
compute wgt16b=weight3          compute wgt17b=weight2          compute wgt18b=weight1

compute intmo1b=intmo18         compute intmo2b=intmo17         compute intmo3b=intmo16
compute intmo4b=intmo15         compute intmo5b=intmo14         compute intmo6b=intmo13
compute intmo7b=intmo12         compute intmo8b=intmo11         compute intmo9b=intmo10
compute intmo10b=intmo9         compute intmo11b=intmo8         compute intmo12b=intmo7
compute intmo13b=intmo6         compute intmo14b=intmo5         compute intmo15b=intmo4
compute intmo16b=intmo3         compute intmo17b=intmo2         compute intmo18b=intmo1

compute intyr1b=intyr18         compute intyr2b=intyr17         compute intyr3b=intyr16
compute intyr4b=intyr15         compute intyr5b=intyr14         compute intyr6b=intyr13
compute intyr7b=intyr12         compute intyr8b=intyr11         compute intyr9b=intyr10
compute intyr10b=intyr9         compute intyr11b=intyr8         compute intyr12b=intyr7
compute intyr13b=intyr6         compute intyr14b=intyr5         compute intyr15b=intyr4
compute intyr16b=intyr3         compute intyr17b=intyr2         compute intyr18b=intyr1

compute curat1b=curat18         compute curat2b=curat17         compute curat3b=curat16
compute curat4b=curat15         compute curat5b=curat14         compute curat6b=curat13
compute curat7b=curat12         compute curat8b=curat11         compute curat9b=curat10
compute curat10b=curat9         compute curat11b=curat8         compute curat12b=curat7
compute curat13b=curat6         compute curat14b=curat5         compute curat15b=curat4
compute curat16b=curat3         compute curat17b=curat2         compute curat18b=curat1

compute dlemo1b=dlemo18         compute dlemo2b=dlemo17         compute dlemo3b=dlemo16
compute dlemo4b=dlemo15         compute dlemo5b=dlemo14         compute dlemo6b=dlemo13
compute dlemo7b=dlemo12         compute dlemo8b=dlemo11         compute dlemo9b=dlemo10
```

```
compute dlemo10b=dlemo9      compute dlemo11b=dlemo8      compute dlemo12b=dlemo7
compute dlemo13b=dlemo6      compute dlemo14b=dlemo 5     compute dlemo15b=dlemo4
compute dlemo16b=dlemo3      compute dlemo17b=dlemo2      compute dlemo18b=dlemo1

compute dleyr1b=dleyr18      compute dleyr2b=dleyr17      compute dleyr3b=dleyr16
compute dleyr4b=dleyr15      compute dleyr5b=dleyr14      compute dleyr6b=dleyr13
compute dleyr7b=dleyr12      compute dleyr8b=dleyr11      compute dleyr9b=dleyr10
compute dleyr10b=dleyr9      compute dleyr11b=dleyr8      compute dleyr12b=dleyr7
compute dleyr13b=dleyr6      compute dleyr14b=dleyr5      compute dleyr15b=dleyr4
compute dleyr16b=dleyr3      compute dleyr17b=dleyr2      compute dleyr18b=dleyr1

compute hgcs1b=hgcs18        compute hgcs2b=hgcs17        compute hgcs3b=hgcs16
compute hgcs4b=hgcs15        compute hgcs5b=hgcs14        compute hgcs6b=hgcs13
compute hgcs7b=hgcs12        compute hgcs8b=hgcs11        compute hgcs9b=hgcs10
compute hgcs10b=hgcs9        compute hgcs11b=hgcs8        compute hgcs12b=hgcs7
compute hgcs13b=hgcs6        compute hgcs14b=hgcs5        compute hgcs15b=hgcs4
compute hgcs16b=hgcs3        compute hgcs17b=hgcs2        compute hgcs18b=hgcs1

compute hgc1b=hgc18          compute hgc2b=hgc17          compute hgc3b=hgc16
compute hgc4b=hgc15          compute hgc5b=hgc14          compute hgc6b=hgc13
compute hgc7b=hgc12          compute hgc8b=hgc11          compute hgc9b=hgc10
compute hgc10b=hgc9          compute hgc11b=hgc8          compute hgc12b=hgc7
compute hgc13b=hgc6          compute hgc14b=hgc5          compute hgc15b=hgc4
compute hgc16b=hgc3          compute hgc17b=hgc2          compute hgc18b=hgc1

do repeat weight=wgt1b to wgt18b                                  /* asli eq no */
      /intmo=intmo1b to intmo18b      /curat=curat1b to curat18b
      /dlemo=dlemo1b to dlemo18b      /dleyr=dleyr1b to dleyr18b
      /intyr=intyr1b to intyr18b              /hgcs=hgcs1b to hgcs18b
      /hgc=hgc1b to hgc18b
. loop if (asli_cur eq 0 and (hvdip_c eq -4 or hvdip_c eq 0) and flag00 eq 1)
.  do if (hgc_cur eq -4 and weight gt 0 and intmo ge 5 and (curat eq 1 or (dlemo ge 5 and dleyr eq intyr))
          and hgcs gt hgc)                          . compute hgc_cur=hgcs
.  else if (hgc_cur eq -4 and weight gt 0)     . compute hgc_cur=hgc
.  end if
. end loop if (weight gt 0 and hgc_cur ne -4 and flag00 eq 0)
end repeat print

do if (hgc_cur ge 12)                  compute enr_cur=4
else if (hgc_cur ge 0)                 compute enr_cur=1              end if

do if (asli_cur eq 1 and flag00 eq 1 and hgcs_cur le 0)                   /*asli eq yes */ /* hgc_cur
          still -4 */
.  do if (curat_c eq 1 and grade_c ge 1)                          /* curat and grade */
.  compute hgc_cur=(grade_c - 1)
.     do if (hgc_cur ge 12)          .     compute enr_cur=3
.     else                           .     compute enr_cur=2   .     end if
.  else if (curat_c eq 0 and hga_cur ge 1)                        /* not curat but grade */
.    do if (dleyr_c lt lastyr or dlemo_c lt 5)    .   compute hgc_cur=hga_cur      /* dates */
.     do if (hgc_cur ge 12)          .     compute enr_cur=4
.     else                           .     compute enr_cur=1   .     end if
.    end if                                                  /* dates */
.  else                             .  compute hgc_cur=(hga_cur - 1)
.    do if (hgc_cur ge 12)          .    compute enr_cur=4
.    else                           .    compute enr_cur=1
.    end if                                                        /* dates ok */
```

```
. end if                                                    /* notcurat but grade */ /* hgc_cur still -4 */
else if (asli_cur eq 1 and flag00 eq 1 and (hgcs_cur eq hga_cur or hgcs_cur eq grade_c))   /* enroll */
. do if ((dleyr_c eq curantyr and dlemo_c ge 5) or (intmo_c ge 5 and curat_c eq 1))
                                    . compute hgc_cur=(hgcs_cur - 1)
.  do if (hgc_cur ge 12)           .  compute enr_cur=3
.  else                            .  compute enr_cur=2     .  end if
. else
. compute hgc_cur=hgcs_cur
.    do if (hgc_cur ge 12)         .    compute enr_cur=4
.    else                          .    compute enr_cur=1   .    end if
. end if
else if (asli_cur eq 1 and flag00 eq 1 and (hgcs_cur eq (hga_cur-1) or hgcs_cur eq (grade_c-1)))
                                    compute hgc_cur=hgcs_cur
. do if (enr_cur eq -4 and curat_c eq 1 and hgc_cur ge 0)
. do if (hgc_cur ge 12)             . compute enr_cur=3
. else                              . compute enr_cur=2     . end if
. else if (enr_cur eq -4 and curat_c eq 0 and hgc_cur ge 0)
. do if (hgc_cur ge 12)             . compute enr_cur=4
. else                              . compute enr_cur=1     . end if
. end if
else if (asli_cur eq 1 and flag00 eq 1 and ((hgcs_cur lt hga_cur and hga_cur gt 0 and hga_cur lt 20) or
          (hgcs_cur lt grade_c and grade_c gt 0 and grade_c lt 20)))    compute hgc_cur=hgcs_cur
. do if (enr_cur eq -4 and curat_c eq 1 and hgc_cur ge 0)
. do if (hgc_cur ge 12)             . compute enr_cur=3
. else                              . compute enr_cur=2     . end if
. else if (enr_cur eq -4 and curat_c eq 0 and hgc_cur ge 0)
. do if (hgc_cur ge 12)             . compute enr_cur=4
. else                              . compute enr_cur=1     . end if
. end if
end if                                                                  /* asli eq yes */

do if (((hgc_cur eq 10 or hgc_cur eq 11) and (hvdip_c eq 1 or attcol_c eq 1)) or (dip_cur eq 2 and hgc_cur
          lt 12) or (hgc_cur eq -4 and (dip_cur eq 1 or dip_cur eq 3)))  compute hgc_cur=12
. do if (enr_cur gt 0)                  . compute enr_cur=(5-enr_cur)
. else if (curat_c eq 1 or (dleyr_c eq lastyr and dlemo_c ge 5)) . compute enr_cur=3
. else                              . compute enr_cur=4                 . end if
else if (hgc_cur lt 0 and dip_cur eq -3)     compute hgc_cur=-3
                                    compute enr_cur=-3                  end if
do if (hgc_cur gt 20)                       compute hgc_cur=-3
                                    compute enr_cur=-3                  end if
do if (hgc_cur gt (hgc_dli + 3) and hgc_dli gt 0 and dip_cur ne 2 and dip_cur ne 3)
                                    compute hgc_cur=-3
                                    compute enr_cur=-3                  end if
do if ((hgc_cur gt 0 and hgc_cur lt (hgc_dli - 1)) or (hgc_dli eq 12 and hgc_cur eq 11))
                                    compute hgc_cur=-3
                                    compute enr_cur=-3                  end if
compute tru=0
do repeat dip=dip1 to dip18                 if (dip gt 1) tru=1
                                    if (tru eq 1 and hgc_cur lt 12) hgc_cur=12
                                    if (tru eq 1 and (enr_cur eq 1 or enr_cur lt 0)) enr_cur=4
                                    if (hgc_cur eq -3 and enr_cur eq -4) enr_cur=-3
end repeat print
do if (flag00 eq 0)                         compute hgc_cur=-5
                                    compute enr_cur=-5                  end if
do if (hgc_cur eq -4 and flag00 eq 1)       compute hgc_cur=-3                  end if
do if (enr_cur eq -4 and flag00 eq 1)       compute enr_cur=-3                  end if
```

/* HGC_00=R(70071.) */ /* ENROLL_00=R(70072.) */

/* Each instance of -3 for highest grade completed and enrollment status is reviewed by checking selected school variables. Values of -3 are recoded to valid values where auxilliary information indicates. However, there are a number of -3s computed for highest grade completed and enrollment status that remain.