

GIRLS APPENDIX 26 - 1978 KEY VARIABLE DERIVATIONS

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DCL A(104)      FLOAT DEC(6),
  CK(7)        FLOAT DEC(6),
  WNW(7)       FLOAT DEC(6),
  REASON(7)    FLOAT DEC(6),
  ALT(7)       FLOAT DEC(6),
  MON(7)       FLOAT DEC(6),
  DAY(7)       FLOAT DEC(6),
  YEAR(7)      FLOAT DEC(6),
  SWN(7)       FLOAT DEC(6),
  SUMP(7)      FLOAT DEC(6),
  STARM(7)     FLOAT DEC(6),
  STARD(7)     FLOAT DEC(6),
  STARY(7)     FLOAT DEC(6),
  STOPM(7)     FLOAT DEC(6),
  STOPD(7)     FLOAT DEC(6),
  STOPY(7)     FLOAT DEC(6),
  WEEK(7)      FLOAT DEC(6),
  SCK(7)       FLOAT DEC(6),
  LM           FLOAT DEC(6),
  LD           FLOAT DEC(6),
  LY           FLOAT DEC(6),
  WL           FLOAT DEC(6),
  SM           FLOAT DEC(6),
  SD           FLOAT DEC(6),
  SY           FLOAT DEC(6),
  FW           FLOAT DEC(6);

DUMP=R(5974.); IF DUMP=3 THEN DUMP=2;
DOLF=R(5978.); IF DOLF=3 THEN DOLF=2;
  A = NA;
  WNW, STOPD = NA;
  B,C,D,E,F,G,P,R,S,T,V,w,Z = NA;
  WBID,LM,LD,LY,WL,SM,SD,SY = NA;
  WORK,wUMP,wOLF,Nw,H = 0;
  L,FW = 1;
  IF R(5870.) = NA & R(5871.) = NA & R(7555.) = NA
    THEN T = FUN(R(5870.),R(5871.),R(7555.));
  H = 1;
  IF R(7003.) = NA & R(7004.) = NA & R(7888.20) = NA
    THEN S = FUN(R(7003.),R(7004.),R(7888.20));
  ELSE IF R(5467.) = NA & R(5468.) = NA
    THEN S = FUN(R(5467.),R(5468.),77);
  IF S = NA & T = NA THEN DO;
WBID = T - S + 1; DO K = S TO T; A(K) = 0; END; END;
  ELSE GU TO THEEND;

H = .5;
IF R(7012.) = 1 | R(7012.) = 2
  THEN DO;
IF R(5999.) = NA THEN DO; SM=R(5997.); SD=R(5998.); SY=R(5999.); END;
  ELSE IF R(5990.) = 0 & R(5996.) = NA THEN DO;
SM=R(5994.); SD=R(5995.); SY=R(5996.); END;
  ELSE IF R(5989.) = NA THEN DO;
SM=R(5987.); SD=R(5988.); SY=R(5989.); END;;
  IF SY = NA & SD = NA & SM = NA & R(6113.) = SY & R(6111.) = SM -
    & R(6112.) = NA THEN DO;
SD=1; STOPY(1)=30; END;
  IF SY > 0 THEN DO;
  IF SY < 77 THEN P = S;
  ELSE IF SM > 0 THEN P = FUN(SM,SD,SY);
  IF P > 0 & T >= P THEN DO K = P TO T;
A(K)=1; END;
  IF R(6083.) = 0 THEN DO;

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IF R(6084.) = NA THEN DO;
    B = 1;
    IF P = NA THEN V = FLOOR((T - P - R(6084.)
        + 1) / 2 + P);
        ELSE V = T - R(6084.);
    IF P = NA & T - P + 1 < R(6084.)
        THEN GO TO THEEND;
    DO K = V TO T WHILE(R(6084.) >= B);
        IF R(6085.) > 0 THEN DO;
            IF R(6085.) = 5 THEN A(K) = 4;
            ELSE A(K)=5; END; ELSE DO;
WUMP,WOLF=NA; A(K)=2; END; B=B + 1; END; END;
ELSE DO; NW,WORK = NA; IF P>0 & T>= P THEN DO K=P TO T; A(K)=3; END;
        IF R(6085.) > 0 THEN DO;
            IF R(6085.)=5; THEN WUMP=NA; ELSE WOLF=NA; END;
            ELSE WOLF,WUMP=NA; END; END; END;
        IF R(5935.) = NA
            THEN DO;
                IF R(6076.) < 77 THEN D = S;
                ELSE IF R(6074.) = NA THEN D = FUN(R(6074.),R(6075.)
                    R(6076.));
                IF D > 0 & T >=D THEN DO K = D TO T;
IF A(K) = 0 THEN A(K) = 1; END; END; END;
ELSE IF R(7012.) >= 3 & R(7012.) <= 8 THEN DO; IF DUMP = 1 THEN DO;
LM=R(5971.); LD=R(5972.); LY=R(5973.); END;
ELSE IF DOLF = 1 THEN DO;
LM=R(5975.); LD=R(5976.); LY=R(5977.); END;
IF LM > 0 & LY > 0 THEN C = FUN(LM,LD,LY);
IF C = NA & R(6088.) > 0 THEN C = T - R(6088.) + 1;
IF R(6088.) = NA & R(6088.) = R(6089.) & C = NA & C = T - R(6088.)
THEN WL = T - C + 1;
ELSE WL = R(6089.);
IF C = NA THEN DO;
IF WL > 0 & R(6088.) = NA & ABS(T - C - R(6088.)) > 2
& WL = T - C + 1 THEN WL = NA;
IF C < S THEN C = S;
W = 1;
IF T >= C THEN DO K = C TO T;
IF WL >= 0 THEN DO;
IF WL >= W THEN A(K) = 4;
ELSE A(K) = 5;
W = W + 1;
END;
ELSE DO;
WUMP,WOLF = NA;
A(K)=2; END; END; END;
IF DUMP = 1 & DOLF = 1 THEN DO; IF R(6093.)=NA THEN DO;
WORK,WOLF,NW = NA;
IF R(6094.) = 0 & R(6095.) = NA THEN WUMP=NA;
ELSE IF R(6095.) > 0
THEN DO K = T TO S BY -1;
IF L <= R(6095.) THEN A(K) = 4;
ELSE A(K)=3; L = L + 1; END; END;
ELSE DO K=S TO T; IF FW <=(6330) THEN DO; A(K)=1; END; ELSE DO;
IF R(6094.)=0 R(6095.) > 0 THEN DO; IF L <= R(6095.) THEN A(K)=4;
ELSE A(K)=5; L = L + 1; END; ELSE DO; WUMP,WOLF=NA; A(K)=2;
END; END; END; END; END;
J = 1;
DO I = 6336 TO 6444 BY 30;
CK(J)=X (I+19); wNM(J)=X (I+20); REASON(J)=X (I+21);
ALT(J)=X (I+22); MON(J)=X (I+28); DAY(J)=X (I+29);
YEAR(J) = X (I + 30); SWN(J) = X (I + 31); SUMP(J) = X (I + 32);

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STARM(J) = X (I + 9); STARD(J) = X (I + 10); STARY(J) = X (I + 11)
STOPM(J) = X (I + 12); IF STOPD(J) = NA THEN STOPD(J) = X (I + 13);
STOPY(J) = X (I + 14); WEEK(J) = 1; SCK(J) = X (I + 27);
J = J + 1; END;
DO J=1 TO 4; E,F,G=NA; IF STOP(J)=-1 THEN DO;
STOP(J)=R(5870.); STOPD(J)=R(5871.); STOPY(J)=R(7555.); END;
IF STARY(J) = NA | STOPY(J) = NA THEN DO;
IF STARY(J)>0 THEN DO; IF STARY(J)<77 THEN E=S;
ELSE IF STARM(J)>0 THEN E=FUN(STARM(J),STARD(J),STARY(J)); END;
IF STOPM(J) > 0 & STOPY(J) > 0 THEN F =
FUN(STOPM(J),STOPD(J),STOPY(J));
IF STOPY(J) = NA & STOPM(J) = NA & STOPD(J) = NA
& SCK(J) = 0 & STOPY(J) = STARY(J + 1) & STARM(J) =
STOPM(J + 1) - 1 & STARD(J + 1) = NA THEN DO;
E = FUN(STARM(J),1,STARY(J));
STOPD(J + 1) = 30; END;
IF E > 0 & F >= E & WORK = NA
THEN DO K = E TO F;
IF A(K) = 0 | A(K) = 3
THEN A(K)=1; END; ELSE DO; IF STARY(J) > 0 THEN STARM(J) > 0
THEN E=FUN(STARM(J),STARD(J),STARY(J));HEN E = FUN(STARM(J),
ELSE E=FUN(1,1,STARY(J)); ELSE E=S; IF STOPY(J)>0
THEN IF STOP(J)>0 THEN F=FUN(STOPM(J), STOPD(J),STOPY(J));
ELSE F=FUN(12,31,STOPY(J)); ELSE F=T; IF F>T THEN F=T;
IF E>0 & F>=E THEN DO K= E TO F; IF A(K)=0 THEN A(K)=3; END; END
IF CK(J) = 0 & ALT(J) = 1 THEN DO; IF WNW(J)=NA THEN DO;
IF REASON(J)>0 THEN DO;
IF REASON(J)=5 THEN WUMP=NA; ELSE WOLF=NA; END;
ELSE WUMP,WOLF=NA; WORK,NW=NA; IF E>0 & F>=E THEN DO K=E TO F;
A(K)=3; END; END; ELSE IF WNW(J)>0 & E>0 & F>=E THEN DO;
ELSE IF WNW(J)>0 & E>0 & F>=E THEN DO;
Z=FLOOR((F-E-WNW(J)+1)/2+E); IF F-E+1<WNW(J) THEN GO TO THEEND;
ELSE DO K=Z TO F WHILE (WNW(J)>= WEEK(J));
IF REASON(J)>0 THEN DO;IF REASON(J)=5 THEN DO;
IF WUMP =NA THEN A(K)=4; ELSE A(K)=2; END; ELSE DO;
WOLF,WUMP=NA; A(K)=2; END; WEEK(J)=WEEK(J)+1; END; END; END; END;
IF SCK(J) = 1 | (J = 1 & R(6087.) = 1) | YEAR(J) = NA
THEN DO;
IF MON(J) = R(7003.) & YEAR(J) = R(7888.20) & DAY(J) =
THEN DAY(J) = 1;
IF YEAR(J) = NA THEN DO;
IF YEAR(J) < 77 THEN G = S;
ELSE IF MON(J) > 0 THEN G = FUN(MON(J),DAY(J),
YEAR(J)); END; U=1;
IF J = 1 & R(6087.) = 1 THEN E = P;
IF E = NA & SWN(J) = NA & G = NA THEN G = E - SWN(J)
IF SWN(J) = SUMP(J) & E = NA & G = NA & SUMP(J) = NA
& SUMP(J) = E - G THEN SUMP(J) = E - G;
IF G > 0 & E > G THEN DO;
IF SWN(J) > 0 & ABS(E - G - SWN(J)) > 1
& SUMP(J) = E - G & SUMP(J) > 0
THEN SUMP(J) = NA;
DO K = G TO E - 1;
IF SUMP(J)>=0 THEN DO; IF SUMP(J)>=U THEN DO;
IF WUMP = NA THEN A(K)=4; ELSE A(K)=2; END; ELSE DO;
IF WOLF = NA THEN A(K)=5; ELSE A(K)=2; END; END; ELSE DO;
WUMP,WOLF=NA; A(K)=2; END; U=U+1; END; END; END;
IF S > 0 & T > S THEN DO K = S TO T;
IF A(K) = 0 & A(K - 1) = 0 & A(K + 1) = 0
THEN A(K) = 1;
IF A(K) = 1 & WORK = NA THEN WORK = WORK + 1;
IF A(K) = 4 & WUMP = NA THEN WUMP = WUMP + 1;

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IF A(K)=5 & WOLF = NA THEN WOLF = WOLF + 1;
IF A(K)=0 | A(K)=3 THEN DO; WORK,WUMP,WOLF,NW=NA; END;
IF (A(K)=2 | A(K)=4 & WUMP=NA | A(K)=5 & WOLF=NA) & NW=NA THEN NW=NW+1;
END;
IF R(1.)=836 | R(1.)=2989 | R(1.)=3807 THEN DO;
WBID=NA; WORK=NA; WUMP=NA; WOLF=NA; END;
GO TO AROUND;
THEEND: WORK,WUMP,WOLF,NW = NA;
FUN: PROC(M,O,Q);
DCL (M,O,Q) FLOAT DEC(6);
IF O = NA THEN O = 15;
N = FLOOR((Q - 77) * (365 / 7) + (M - 1) * (13 / 3) + (O - 4) / (365 / 52) + H)
IF N < S THEN N = S; RETURN(N); END FUN;
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IF R(7012.)=NA THEN GO TO DAEND;
/* ASSIGNMENT FOR KEY TOTAL FAMILY INCOME GIRLS 1978 */
ESR=R(7012.); IWSR=R(6712.); IWSS=R(6721.);
NIBR=R(6714.); NIBOFM=R(6723.); QNIBCFM=R(6722.); QHIB=R(6698.);
NIFTF=R(6743.); QTFIF=R(6742.); QHIF=R(6694.); NIRETF=R(6745.);
QAFIRE=R(6744.); QHIRE=R(6701.); NITFIID=R(6747.);
QTFIID=R(6746.); QSAV=R(6686.); QSA=R(6688.); QBSMF=R(6690.);
QPLM=R(6692.); QIUECR=R(6715.); QIUECOFM=R(6724.); QISUBR=R(6718.);
QISUBOFM=R(6727.); QIVCAFM=R(6730.); IVCR=R(6731.); IVCOFM=R(6732.);
QIWCAFM=R(6733.); IWCR=R(6734.); IWCOFM=R(6735.); QISSAFM=R(6736.);
ISSR=R(6737.); ISSOFM=R(6738.); QIODAFM=R(6739.); IODR=R(6740.);
IODOFM=R(6741.);
QGFS=R(6748.); NMGFS=R(6749.); MIGFS=R(6750.); CGFS=R(6751.);
QIAP=R(6752.);
QLSFPR=R(6755.); QIAOI=R(6760.); IAOI=R(6761.); QICSP=R(6758.);
ICSP=R(6759.); QAFIB=R(6713.);
IUECR,IUECOFM=NA; ISUBR=NA; ISUBOFM=NA; IAPR=NA; LSFPR=NA;
IF R(6716.)>=1 & R(6717.)>=1 THEN IUECR =R(6716.) * R(6717.);
IF R(6725.)>=1 & R(6726.)>=1 THEN IUECOFM=R(6725.) * R(6726.);
IF R(6719.)>=1 & R(6720.)>=1 THEN ISUBR =R(6719.) * R(6720.);
IF R(6728.)>=1 & R(6729.)>=1 THEN ISUBOFM=R(6728.) * R(6729.);
IF R(6753.)>=1 & R(6754.)>=1 THEN IAPR =R(6753.) * R(6754.);
IF R(6756.)>=1 & R(6757.)>=1 THEN LSFPR =R(6756.) * R(6757.);
IF IWSR = -1 THEN IWSR = NA;
IF IWSS = -1 THEN IWSS = NA;
IF NIBR = -1 THEN NIBR = NA;
IF NIBOFM = -1 THEN NIBOFM = NA;
IF NIFTF = -1 THEN NIFTF = NA;
IF NIRETF = -1 THEN NIRETF = NA;
IF NITFIID = -1 THEN NITFIID = NA;
IF IUECR = -1 THEN IUECR = NA;
IF IUECOFM = -1 THEN IUECOFM = NA;
IF ISUBR = -1 THEN ISUBR = NA;
IF ISUBOFM = -1 THEN ISUBOFM = NA;
IF IVCR = -1 THEN IVCR = NA;
IF IVCOFM = -1 THEN IVCOFM = NA;
IF IWCR = -1 THEN IWCR = NA;
IF IWCOFM = -1 THEN IWCOFM = NA;
IF ISSR = -1 THEN ISSR = NA;
IF ISSOFM = -1 THEN ISSOFM = NA;
IF IODR = -1 THEN IODR = NA;
IF IODOFM = -1 THEN IODOFM = NA;
IF MIGFS = -1 THEN MIGFS = NA;
IF CGFS = -1 THEN CGFS = NA;
IF QIAP = -1 THEN QIAP = NA;
IF LSFPR = -1 THEN LSFPR = NA;
IF IAPR = -1 THEN IAPR = NA;
IF IAOI = -1 THEN IAOI = NA;
IF QICSP = -1 THEN QICSP = NA;
IF ICSP = -1 THEN ICSP = NA;
IF QAFIB = -1 THEN QAFIB = NA;
DCL (A1,B,C,D,E,F,G,H) BIT(1);
A1=18;
B,C,D,E,F=08;
AGE=NA;

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SPOU=0; INC=0;
DO I=6731 TO 6891 BY 10;
IF X (I)=1 THEN A1=08;
IF X (I)=1 THEN B=1B;
IF X (I)=NA THEN C=1B;
IF X (I+1)~=NA & X (I+3)~=NA THEN AGE=X (I+3)*100+X (I+1);
IF AGE~=NA & AGE<6501 THEN D=1B;
ELSE DO;
IF X (I+1)=NA & X (I+3)~=NA THEN AGE=X (I+3);
IF AGE~=NA & AGE<65 THEN D=1B;
END;
IF X (I+7)=0 & X (I)=1 THEN E=1B;
IF X (I+7)=52 & X (I)=1 THEN F=1B;
IF X (I)=1 THEN SPOU=1; END;
IF B | C | D THEN DG;
IF IWSR=NA & WORK=0 THEN IWSR=0;
IF IWSR=NA THEN GO TO DAEND;
ELSE INC=INC+IWSR;
IF IWSS=NA & (A1 | (B & E)) THEN IWSS=0;
IF IWSS=NA THEN GO TO DAEND;
ELSE INC=INC+IWSS;
IF (NIBR=NA & ((QAFIB=0 | QHIB=0 | WORK=0))) | NIBR=1 THEN NIBR=0;
IF NIBR=NA THEN GO TO DAEND;
ELSE INC=INC+NIBR;
IF (NIBOBFM=NA & (SPOU=0 | QNIBCFM=0 | QHIB=0)) | NIBOBFM=1 | (B & E)
THEN NIBOBFM=C;
IF NIBOBFM=NA THEN GO TO DAEND;
ELSE INC=INC+NIBOBFM;
IF (NIFTF=NA & (QTFIF=0 | QHIF=0)) | NIFTF=1 THEN NIFTF=0;
IF NIFTF=NA THEN GO TO DAEND;
ELSE INC=INC+NIFTF;
IF (NIRETF=NA & (QAFIRE=0 | (QHIF=0 & QHIB=0 & QHIRE=0))) |
NIRETF=1 THEN NIRETF=0;
IF NIRETF=NA THEN GO TO DAEND;
ELSE INC=INC+NIRETF;
IF NITFIID=NA & (QTFIID=0 | (QSAV=0 & QSA=0 & QBSMF=0 & QPLM=0))
THEN NITFIID=0;
IF NITFIID=NA THEN GO TO DAEND;
ELSE INC=INC+NITFIID;
IF IUECR=NA & (QIUECR=0 | (WORK~=NA & WORK=WBID)) THEN IUECR=0;
IF IUECR=NA THEN GO TO DAEND;
ELSE INC=INC+IUECR;
IF IUECOFM=NA & (QIUECOFM=0 | SPOU=0 | (B & F)) THEN IUECOFM=0;
IF IUECOFM=NA THEN GO TO DAEND;
ELSE INC=INC+IUECOFM;
IF ISUBR=NA & (QISUBR=0 | IUECR=0 | (WORK~=NA & WORK=WBID)) THEN ISUBR=
IF ISUBR=NA THEN GO TO DAEND;
ELSE INC=INC+ISUBR;
IF ISUBOBFM=NA & (QISUBOBFM=0 | IUECOFM=0 | SPOU=0 | (B & F)) THEN ISUBOBFM
IF ISUBOBFM=NA THEN GO TO DAEND;
ELSE INC=INC+ISUBOBFM;
IF QIVCAFM=0 THEN DO;
IF IVCR=NA THEN IVCR=0;
IF IVCOFM=NA THEN IVCOFM=0;
END;
IF QIWCAFM=0 THEN DO;
IF IWCR=NA THEN IWCR=0;
IF IWCOFM=NA THEN IWCOFM=0;
END;
IF QISSAFM=0 THEN DO;
IF ISSR=NA THEN ISSR=0;
IF ISSOBFM=NA THEN ISSOBFM=0;

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END;
IF QIODAFM=0 THEN DO;
IF IODR=NA THEN IODR=0;
IF IODOFM=NA THEN IODOFM=0;
END;
IF SPOU=0 THEN DO;
IF IVCOFM=NA THEN IVCOFM=0;
IF IWCOFM=NA THEN IWCOFM=0;
IF ISSOFM=NA THEN ISSOFM=0;
IF IODOFM=NA THEN IODOFM=0;
END;
IF IVCR >0 & IVCOFM=NA THEN IVCOFM=0;
IF IVCOFM>0 & IVCR =NA THEN IVCR =0;
IF IWCR >0 & IWCOFM=NA THEN IWCOFM=0;
IF IWCOFM>0 & IWCR =NA THEN IWCR =0;
IF ISSR >0 & ISSOFM=NA THEN ISSOFM=0;
IF ISSOFM>0 & ISSR =NA THEN ISSR =0;
IF IODR >0 & IODOFM=NA THEN IODOFM=0;
IF IODOFM>0 & IODR =NA THEN IODR =0;
IF IVCR=NA | IVCOFM=NA | IWCR=NA | IWCOFM=NA | ISSR=NA | ISSOFM=NA |
IODR=NA | IODOFM=NA THEN GO TO DAEND;
ELSE INC=INC+IVCR+IVCOFM+IWCR+IWCOFM+ISSR+ISSOFM+IODR+IODOFM;
FOOD=NA;
IF QGFS=0 & NMGFS=NA & MIGFS=NA & CGFS=NA THEN FOOD=0;
IF NMGFS>0 & MIGFS>0 & CGFS>=0 THEN FOOD=NMGFS*(MIGFS-CGFS);
IF FOOD=NA THEN GO TO DAEND;
ELSE INC=INC+FOOD;
IF IAPR=NA & QIAP=0 THEN IAPR=0;
IF IAPR=NA THEN GO TO DAEND;
ELSE INC=INC+IAPR;
IF ICSP=NA & QICSP=0 THEN ICSP=0;
IF ICSP=NA THEN GO TO DAEND;
ELSE INC=INC+ICSP;
IF LSFPR=NA & QLSFP=0 THEN LSFPR=0;
IF LSFPR=NA THEN GO TO DAEND;
ELSE INC=INC+LSFPR;
IF IAOI=NA & QIAOI=0 THEN IAOI=0;
IF IAOI=NA THEN GO TO DAEND;
ELSE INC=INC+IAOI;
END;
GO TO FINITO;
DAEND: INC=NA;
FINITO:
END;
R(7032.) = WBID; R(7035.)=WOLF; R(7034.) = WUMP;
R(7033.)=WORK; R(7041.)=INC; R(6764.11)=RATIO78;

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