SAMPLE RUN OF GCCONT SHOWING
INPUT PARAMETER VALUES AND OUTPUT TABLES

```
OK, BASIC GCCONT.8
BASIC REV19.0
INPUT G1=SELF INTERACTION FRACTION
!.2
INPUT GROUP FRACTIONS N(I)
!.012,.002,.588,.098,.008,.018,.392,.882
INPUT ACTIVITY RATIOS OF GROUPS:WOMEN AND MEN
!10,10
INPUT DURATIONS D(I)
!6,6,6,6,.5,.5,.5,.5
INPUT PROB OF TRANS BY INF MAN/PROB OF TRANS BY INF WOMAN
!2
INPUT K(1)
!9.238
```

RUN NUMBER #####

GONORRHEA CONTROL MODEL

***********	RESULTS WITH NO EXTRA CURE RATE APPLIED		*********
	GP1 WOMEN	GP2 MEN	GP3 WOMEN	GP4 MEN
PREVALENCE,FRAC	.497361	.548178	.0496891	.0622565
GPS 5,6,7,8	.0761769	.0918213	.00433837	.00550203
CHANGE (%)	0	0	0	0
GPS 5,6,7,8	0	0	0	0
PREVALENCE, POP	.00596833	.00109636	.0292172	.00610114
GPS 5,6,7,8	.000609415	.00165278	.00170064	.00485279
CHANGE (%)	0	0	0	0
GPS 5,6,7,8	0	0	0	0
DURATION,ORIG	6	6	6	6
GPS 5,6,7,8	.5	.5	.5	.5
DURATION, NEW	6	6	6	6
GPS 5,6,7,8	.5	.5	.5	.5
INCIDENCE,POP	.000994722	.000182726	.00486953	.00101686
GPS 5,6,7,8	.00121883	.00330557	.00340128	.00970558
CHANGE (%)	0	0	0	0
GPS 5,6,7,8	0	0	0	0
EXTRA CURE RATE	0	0	0	0
GPS 5,6,7,8	0	0	0	0
POPULAT. RATIOS	.012	.002	.588	.098
GPS 5,6,7,8	.008	.018	.392	.882

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CONTACT NUMBERS 9.238          18.476          .9238           1.8476
 GPS 5,6,7,8  .769833          1.53967         .0769833        .153967
   WOMEN,POP PREVALENCE =       .0374956        CHANGE (%)=  0
   MEN,   POP PREVALENCE =      .0137031        CHANGE (%)=  0
   WOMEN,MONTHLY INCIDENCE = .0104844           CHANGE (%)=  0
   MEN,   MONTHLY INCIDENCE = .0142107          CHANGE (%)=  0
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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*********** RESULTS FOR POPULATION SCREENING  ***************
THE NUMBER OF WOMEN DISCOVERED BY POPULATION SCREENING IS
SET EQUAL TO 10% OF THE INCIDENCE AND THE EFFECTIVE CONTACT
NUMBER IS CHOSEN SO THAT THIS POPULATION SCREENING CAUSES
APPROXIMATELY A 20% DECREASE IN INCIDENCE IN MEN.
                  GP1 WOMEN       GP2 MEN         GP3 WOMEN       GP4 MEN
PREVALENCE,FRAC .412828          .496635         .0352891        .0497078
 GPS 5,6,7,8  .0644987           .0759727        .00357429       .00434007
CHANGE (%)      -16.9963         -9.4026         -28.9804        -20.1565
 GPS 5,6,7,8  -15.3304           -17.2603        -17.6121        -21.1188
PREVALENCE, POP .00495394        .000993269      .02075          .00487136
 GPS 5,6,7,8  .000515989         .00136751       .00140112       .00382794
CHANGE (%)      -16.9963         -9.40262        -28.9804        -20.1565
 GPS 5,6,7,8  -15.3304           -17.2603        -17.6121        -21.1188
DURATION,ORIG   6                6               6               6
 GPS 5,6,7,8  .5                 .5              .5              .5
DURATION, NEW   5.01689          6               5.01689         6
 GPS 5,6,7,8  .491966            .5              .491966         .5
INCIDENCE,POP .000987452         .000165545      .00413602       .000811894
 GPS 5,6,7,8  .00104883          .00273502       .002848         .00765588
CHANGE (%)      -.730848         -9.40261        -15.0633        -20.1565
 GPS 5,6,7,8  -13.9478           -17.2603        -16.2667        -21.1188
EXTRA CURE RATE .000161796       0               .000677695      0
 GPS 5,6,7,8  1.68522E-05        0               4.57607E-05     0
   WOMEN,POP PREVALENCE =       .027621         CHANGE (%)=  -26.3353
   MEN,   POP PREVALENCE =      .0110601        CHANGE (%)=  -19.2876
   WOMEN,MONTHLY INCIDENCE = .00902031          CHANGE (%)=  -13.9642
   MEN,   MONTHLY INCIDENCE = .0113683          CHANGE (%)=  -20.0018
   WOMEN,DISCOVERED BY POPULATION SCREENING= .000902103
THE PROBABILITY THAT A WOMAN DISCOVERED BY POPULATION SCREENING
     IS A GP1 MEMBER IS .179354
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
*****RESULTS FOR SUPPLEMENTARY POPULATION SCREENING  *********
           GP1 WOMEN       GP2 MEN         GP3 WOMEN       GP4 MEN
PREVALENCE,FRAC .400892          .488705         .0335746        .0480485
 GPS 5,6,7,8  .0628551           .0737751        .00347012       .00418852
CHANGE (%)      -19.3963         -10.8492        -32.4308        -22.8217
 GPS 5,6,7,8  -17.488            -19.6536        -20.0132        -23.8732
PREVALENCE, POP .0048107         .000977409      .0197419        .00470875
 GPS 5,6,7,8  .00050284          .00132795       .00136029       .00369428
CHANGE (%)      -19.3963         -10.8492        -32.4308        -22.8217
 GPS 5,6,7,8  -17.4881           -19.6536        -20.0132        -23.8732
DURATION,ORIG   6                6               6               6
 GPS 5,6,7,8  .5                 .5              .5              .5
DURATION, NEW   4.89639          6               4.89639         6
 GPS 5,6,7,8  .490782            .5              .490782         .5
INCIDENCE,POP .000982498         .000162902      .00403192       .000784792
 GPS 5,6,7,8  .00102457          .00265591       .00277168       .00738855
CHANGE (%)      -1.22889         -10.8492        -17.2012        -22.8217
 GPS 5,6,7,8  -15.9383           -19.6536        -18.5108        -23.8732
EXTRA CURE RATE .000180716       0               .000741609      0
 GPS 5,6,7,8  1.88894E-05        0               5.10997E-05     0
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WOMEN,POP PREVALENCE =      .0264157      CHANGE (%)=    -29.5499
MEN,  POP PREVALENCE =      .0107084      CHANGE (%)=    -21.8541
WOMEN,MONTHLY INCIDENCE = .00881066       CHANGE (%)=    -15.9639
MEN,  MONTHLY INCIDENCE = .0109922        CHANGE (%)=    -22.649
WOMEN,DISCOVERED BY POPULATION SCREENING= .000902103
WOMEN,DISCOVERED BY SUPPLEMENTARY CONTROL= 9.02103E-05
```
THE PROBABILITY THAT A WOMAN DISCOVERED BY POPULATION SCREENING
      IS A GP1 MEMBER IS .182115
THE PROBABILITY THAT A WOMAN DISCOVERED BY THE SUPPLEMENTARY
      PROCEDURE IS A GP1 MEMBER IS .182115
IF THIS SUPPLEMENTARY CONTROL PROCEDURE INCREASES THE NUMBER OF
      DISCOVERIES OF INFECTIOUS WOMEN BY 10%, THEN THE % DECREASE
      IN PREVALENCE IN WOMEN IS 4.36384 WHICH IS 1 TIMES THE %
   DECREASE IN PREVALENCE IN WOMEN DUE TO SUPPLEMENTARY POPULATIION
      SCREENING.
THE DISCOVERY AND CURE OF ONE INFECTIOUS WOMAN BY THIS
      SUPPLEMENTARY CONTROL PROCEDURE PREVENTS 2.32404 CASES IN
         WOMEN AND 4.17013 CASES IN MEN.
- -

******** RESULTS FOR SUPPLEMENTARY INFECTEE TRACING ***********
TRACE WOMEN REPORTED AS CONTACTEES OF DIAGNOSED MEN

	GP1 WOMEN	GP2 MEN	GP3 WOMEN	GP4 MEN
PREVALENCE,FRAC	.404722	.491104	.0341616	.0485614
GPS 5,6,7,8	.0628028	.0744338	.00346952	.00423532
CHANGE (%)	-18.6262	-10.4116	-31.2493	-21.9978
GPS 5,6,7,8	-17.5567	-18.9363	-20.027	-23.0227
PREVALENCE, POP	.00485666	.000982207	.020087	.00475902
GPS 5,6,7,8	.000502422	.00133981	.00136005	.00373555
CHANGE (%)	-18.6262	-10.4116	-31.2493	-21.9978
GPS 5,6,7,8	-17.5567	-18.9363	-20.027	-23.0227
DURATION,ORIG	6	6	6	6
GPS 5,6,7,8	.5	.5	.5	.5
DURATION, NEW	4.93699	6	4.94349	6
GPS 5,6,7,8	.486602	.5	.486607	.5
INCIDENCE,POP	.000983729	.000163701	.00406333	.00079317
GPS 5,6,7,8	.00103251	.00267962	.00279497	.0074711
CHANGE (%)	-1.1051	-10.4116	-16.556	-21.9978
GPS 5,6,7,8	-15.2867	-18.9363	-17.8259	-23.0227
EXTRA CURE RATE	.000174287	0	.000715494	0
GPS 5,6,7,8	2.76677E-05	0	7.48653E-05	0

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   WOMEN,POP PREVALENCE =      .0268062      CHANGE (%)=    -28.5085
   MEN,  POP PREVALENCE =      .0108166      CHANGE (%)=    -21.0645
   WOMEN,MONTHLY INCIDENCE = .00887454       CHANGE (%)=    -15.3545
   MEN,  MONTHLY INCIDENCE = .0111076        CHANGE (%)=    -21.8366
   WOMEN,DISCOVERED BY POPULATION SCREENING= .000902103
   WOMEN,DISCOVERED BY SUPPLEMENTARY CONTROL= 9.02103E-05
```
THE PROBABILITY THAT A WOMAN DISCOVERED BY POPULATION SCREENING
      IS A GP1 MEMBER IS .182115
THE PROBABILITY THAT A WOMAN DISCOVERED BY THE SUPPLEMENTARY
      PROCEDURE IS A GP1 MEMBER IS .110849
IF THIS SUPPLEMENTARY CONTROL PROCEDURE INCREASES THE NUMBER OF
      DISCOVERIES OF INFECTIOUS WOMEN BY 10%, THEN THE % DECREASE
      IN PREVALENCE IN WOMEN IS 2.95006 WHICH IS .676024 TIMES THE %
   DECREASE IN PREVALENCE IN WOMEN DUE TO SUPPLEMENTARY POPULATIION
      SCREENING.
THE DISCOVERY AND CURE OF ONE INFECTIOUS WOMAN BY THIS
      SUPPLEMENTARY CONTROL PROCEDURE PREVENTS 1.61584 CASES IN
         WOMEN AND 2.89047 CASES IN MEN.
- -

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********   RESULTS FOR SUPPLEMENTARY INFECTOR TRACING   *********
TRACE WOMEN REPORTED AS INFECTORS OF DIAGNOSED MEN
                GP1 WOMEN        GP2 MEN          GP3 WOMEN        GP4 MEN
PREVALENCE,FRAC .377769         .474841          .0322703         .045732
 GPS 5,6,7,8   .0600718         .0700691         .00332028        .00397775
CHANGE (%)         -24.0453     -13.3783         -35.0557         ~26.5426
 GPS 5,6,7,8   -21.1417         -23.6898         -23.4671         -27.704
PREVALENCE, POP .00453323       .000949681       .0189749         .00448174
 GPS 5,6,7,8   .000480574       .00126124        .00130155        .00350838
CHANGE (%)         -24.0453     -13.3783         -35.0557         -26.5426
 GPS 5,6,7,8   -21.1417         -23.6898         -23.4671         -27.704
DURATION,ORIG   6               6                6                6
 GPS 5,6,7,8   .5               .5               .5               .5
DURATION, NEW   4.63736         6                4.91406          6
 GPS 5,6,7,8   .488171          .5               .49092           .5
INCIDENCE,POP  .000977546       .00015828        .00386135        .000746956
 GPS 5,6,7,8   .000984439       .00252249        .00265124        .00701675
CHANGE (%)         -1.72675     -13.3783         -20.7038         -26.5426
 GPS 5,6,7,8   -19.2308         -23.6898         ~22.0516         -27.704
EXTRA CURE RATE .000222008      0                .000698867       0
 GPS 5,6,7,8   2.32913E-05      0                4.8147E-05       0
   WOMEN,POP PREVALENCE =       .0252903         CHANGE (%)=      -32.5514
   MEN,  POP PREVALENCE =       .010201          CHANGE (%)=      -25.5566
   WOMEN,MONTHLY INCIDENCE = .00847458           CHANGE (%)=      -19.1693
   MEN,  MONTHLY INCIDENCE = .0104445            CHANGE (%)=      -26.5029
   WOMEN,DISCOVERED BY POPULATION SCREENING= .000902103
   WOMEN,DISCOVERED BY SUPPLEMENTARY CONTROL= 9.02103E-05
THE PROBABILITY THAT A WOMAN DISCOVERED BY POPULATION SCREENING
       IS A GP1 MEMBER IS .182115
THE PROBABILITY THAT A WOMAN DISCOVERED BY THE SUPPLEMENTARY
       PROCEDURE IS A GP1 MEMBER IS .639851
IF THIS SUPPLEMENTARY CONTROL PROCEDURE INCREASES THE NUMBER OF
       DISCOVERIES OF INFECTIOUS WOMEN BY 10%, THEN THE % DECREASE
       IN PREVALENCE IN WOMEN IS 8.43827 WHICH IS 1.93368 TIMES THE %
    DECREASE IN PREVALENCE IN WOMEN DUE TO SUPPLEMENTARY POPULATIION
       SCREENING.
THE DISCOVERY AND CURE OF ONE INFECTIOUS WOMAN BY THIS
       SUPPLEMENTARY CONTROL PROCEDURE PREVENTS 6.04948 CASES IN
       WOMEN AND 10.2412  CASES IN MEN.
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END OF PROGRAM

STOPPED AT LINE 4340
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