

```
Control
  Questionnaire EA,COMP,HH
  Area-Structure LGA,URRU
  Max-records GPC 1
                HOUSE 1
                POP 700
```

#### Tables

```
H01(6,4)
H02(27,6)
H03(39,6)
H04(1,7)
H05(6,9)
H06(6,9)
H07(1,8)
H08(1,9)
H09(24,4)
H10(39,4)
H11(12,13)
H12(1,12)
H13(11,8)
H14(1,2)
H15(12,7)
H16(6,3)
H17(21,6)
H18(4,6)
H19(51,11)
H20 (1,12)
```

```
Variables
IND,GR
```

```
For-each (HOUSE)
```

```
IF TYPE-COUNT(POP)>0
CALL H01
CALL H02
CALL H03
CALL H04
CALL H05
CALL H06
CALL H07
CALL H08
CALL H09
CALL H10
CALL H11
CALL H12
CALL H13
CALL H14
CALL H15
CALL H16
CALL H17
CALL H18
CALL H19
CALL H20
END-IF
```

```
SUBROUTINE H01
```

```

UNIVERSE GRP=1
RECODE H1A TO ROW 1,3 2,2 3,4 4,5 9,6 OTHER,6
LET COL=2
DO VARYING IND FROM 1 BY 1
UNTIL IND>TYPE-COUNT(POP)
IF P04(IND)>=5 AND P04(IND)<=16 AND COL<3
LET COL=3
END-IF
IF P04(IND)=17
LET COL=4
END-IF
END-DO
TALLY H01(ROW,COL)
END-SUBR H01

```

```

SUBROUTINE H02
UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0 AND (P04(1)=1 OR P04(1)=2)
RECODE H1A TO COL 1,3 2,2 3,4 4,5 9,6 OTHER,6
RECODE P03(1) TO ROW 0:14,2 15:24,3 25:34,4 35:44,5 45:54,6 55:64,7 65:98,8
99,9 OTHER,9
LET ROW=ROW + (P02(1) * 9)
TALLY H02(ROW,COL)
END-SUBR H02

```

```

SUBROUTINE H03
UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0 AND (P04(1)=1 OR P04(1)=2) AND
P03(1)<>99 AND P03(1)>=10 AND
(P15A(1)=1 OR P15A(1)=2 OR (P15A(1)=3 AND P15C(1)=1) OR
(P15A(1)=4 AND P15B(1)=1) OR
(P15A(1)=4 AND P15B(1)=2 AND P15C(1)=1) OR
(P15A(1)=6 AND P15B(1)=1) OR (P15A(1)=6 AND P15B(1)=2 AND P15C(1)=1))

```

```

RECODE P16(1) TO ROW 011,12 111:131,2 211:246,3 311:348,4 411:422,5 511:523,6
611:614,7 615:621,8 711:744,9 811:834,10 911:933,11
999,13 Others,13
LET ROW=ROW + (P02(1) * 13)
RECODE H1A TO COL 1,3 2,2 3,4 4,5 9,6 OTHER,6
TALLY H03(ROW,COL)
END-SUBR H03

```

```

SUBROUTINE H04
UNIVERSE GRP=1
RECODE H2 TO COL 1,2 2,3 3,4 4,5 5,6 9,7 OTHER,7
TALLY H04(1,COL)
END-SUBR H04

```

```

SUBROUTINE H05
UNIVERSE GRP=1
RECODE H3 TO ROW 1,2 2,3 3,4 4,5 9,6 OTHER,6
RECODE H4 TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 9,9 OTHER,9
TALLY H05(ROW,COL)
END-SUBR H05

```

```

SUBROUTINE H06
UNIVERSE GRP=1
RECODE H3 TO ROW 1,2 2,3 3,4 4,5 9,6 OTHER,6
RECODE H7 TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 9,9 OTHER,9
TALLY H06(ROW,COL)
END-SUBR H06

```

```

SUBROUTINE H07
UNIVERSE GRP=1

```

```

IF H6A=1
    RECODE H6B TO COL 1,4 2,5 3,6 9,7 OTHERS,7
    TALLY H07(1,COL)
END-IF

```

```

IF H6A=2
    TALLY H07(1,2)
END-IF

```

```

IF H6A=9
    TALLY H07(1,8)
END-IF

```

```

END-SUBR H07

```

```

SUBROUTINE H08
UNIVERSE GRP=1
RECODE H6C TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 9,9 OTHER,9
TALLY H08(1,COL)
END-SUBR H08

```

```

SUBROUTINE H09
UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0
LET COL=2
DO VARYING IND FROM 1 BY 1
UNTIL IND>TYPE-COUNT(POP)
IF P04(IND)>=5 AND P04(IND)<=16 AND COL<3
LET COL=3
END-IF
IF P04(IND)=17
LET COL=4
END-IF
END-DO
RECODE P03(1) TO ROW 0:14,2 15:24,3 25:34,4 35:44,5 45:54,6 55:98,7 99,8 OTHER,8
LET ROW=ROW + (P02(1) * 8)
TALLY H09(ROW,COL)
END-SUBR H09

```

```

SUBROUTINE H10

```

```

UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0 AND (P04(1)=1 OR P04(1)=2) AND
P03(1)<>99 AND P03(1)>=10 AND
(P15A(1)=1 OR P15A(1)=2 OR (P15A(1)=3 AND P15C(1)=1) OR
(P15A(1)=4 AND P15B(1)=1) OR
(P15A(1)=4 AND P15B(1)=2 AND P15C(1)=1) OR
(P15A(1)=6 AND P15B(1)=1) OR (P15A(1)=6 AND P15B(1)=2 AND P15C(1)=1))

```

```
RECODE P16(1) TO ROW 011,12 111:131,2 211:246,3 311:348,4 411:422,5 511:523,6
        611:614,7 615:621,8 711:744,9 811:834,10 911:933,11
        999,13 Others,13
```

```
LET ROW=ROW + (P02(1) * 13)
LET COL=2
DO VARYING IND FROM 1 BY 1
UNTIL IND>TYPE-COUNT(POP)
IF P04(IND)>=5 AND P04(IND)<=16 AND COL<3
LET COL=3
END-IF
IF P04(IND)=17
LET COL=4
END-IF
END-DO
TALLY H10(ROW,COL)
END-SUBR H10
```

```
SUBROUTINE H11
UNIVERSE GRP=1
```

```
.DO NOT UNDERSTAND
```

```
END-SUBR H11
```

```
SUBROUTINE H12
UNIVERSE GRP=1
LET IND=TYPE-COUNT(POP)
RECODE IND TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 8,9 9,10 10:999,11 OTHER,1
TALLY H12(1,COL)
TALLY H12(1,12)IND
END-SUBR H12
```

```
SUBROUTINE H13
UNIVERSE GRP=1
RECODE TYPE-COUNT(POP) TO ROW 1,2 2,3 3,4 4,5 5,6 6,7 7,8 8,9 9,10 10:999,11
        OTHERS,1
```

```
LET GR=1
DO VARYING IND FROM 1 BY 1
UNTIL IND>TYPE-COUNT(POP)
IF P04(IND)>=5 AND P04(IND)<=16 AND GR<2
LET GR=2
END-IF
IF P04(IND)=17
LET GR=3
END-IF
END-DO
```

```
LET COL=1 + (GR * 2)
TALLY H13(ROW,COL)
LET COL=2 + (GR * 2)
TALLY H13(ROW,COL)TYPE-COUNT(POP)
```

```
END-SUBR H13
```

```

SUBROUTINE H14
UNIVERSE GRP=1
TALLY H14(1,1)
TALLY H14(1,2)TYPE-COUNT(POP)
END-SUBR H14

```

```

SUBROUTINE H15
UNIVERSE GRP=1

```

```

.LATER

```

```

END-SUBR H15

```

```

SUBROUTINE H16
UNIVERSE GRP=1 AND H8<>99
RECODE H1A TO ROW 1,3 2,2 3,4 4,5 9,6 OTHER,6
TALLY H16(ROW,1)
TALLY H16(ROW,2)TYPE-COUNT(POP)
TALLY H16(ROW,3)H8
END-SUBR H16

```

```

SUBROUTINE H17
UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0
RECODE P05(1) TO ROW 1,2 2,3 3,4 4,5 5,6 9,7 OTHER,7
LET ROW = ROW + (P02(1) * 7)
RECODE H1A TO COL 1,3 2,2 3,4 4,5 9,6 OTHER,6
TALLY H17(ROW,COL)
END-SUBR H17

```

```

SUBROUTINE H18
UNIVERSE GRP=1 AND P02(1)=2 AND P05(1)<>1 AND P05(1)<>9
      AND (P04(1)=1 OR P04(1)=2)
RECODE P06(1) TO ROW 1,2 2,3 9,4 OTHER,4
RECODE H1A TO COL 1,3 2,2 3,4 4,5 9,6 OTHER,6
TALLY H18(ROW,COL)
END-SUBR H18

```

```

SUBROUTINE H19
UNIVERSE GRP=1 AND (P04(1)=1 OR P04(1)=2)
RECODE P03(1) TO ROW 0:9,2 10:14,3 15:19,4 20:24,5 25:29,6 30:34,7 35:39,8
      40:44,9 45:49,10 50:54,11 55:59,12 60:64,13 65:69,14
      70:74,15 75:98,16 99,17 OTHER,17
RECODE TYPE-COUNT(POP) TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 8,9 9,10 10:999,11
      OTHER,1
LET ROW=ROW + (P02(1) * 17)
TALLY H19(ROW,COL)
END-SUBR H19

```

```

SUBROUTINE H20
UNIVERSE GRP=1
LET IND=TYPE-COUNT(POP)
RECODE IND TO COL 1:4,2 5:9,3 10:14,4 15:19,5 20:24,6 25:29,7 30:34,8 35:39,9
      40:44,10 45:999,11 OTHER,1
TALLY H20(1,COL)
TALLY H20(1,12)IND
END-SUBR H20

```