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

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HH01(5,4)
HH02(27,5)
HH03(39,5)
HH04(1,9)
HH05(6,10)
HH06(6,9)
HH07(1,8)
HH08(1,9)
HH09(24,4)
HH10(39,4)
HH11(1,12)
HH12(11,8)
HH13(5,3)
HH14(21,5)
HH15(7,5)
HH16(51,11)
HH17(1,12)
HH18(1,2)
HH19(5,3)
HH20(5,3)
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Variables
IND,GR
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For-each (HOUSE)
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```
IF TYPE-COUNT(POP)>0
CALL HH01
CALL HH02
CALL HH03
CALL HH04
CALL HH05
CALL HH06
CALL HH07
CALL HH08
CALL HH09
CALL HH10
CALL HH11
CALL HH12
CALL HH13
CALL HH14
CALL HH15
CALL HH16
CALL HH17
CALL HH18
CALL HH19
CALL HH20
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END-IF
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SUBROUTINE HH01
UNIVERSE GRP=1
RECODE H01A TO ROW 1,2 2,3 3,4 OTHER,5
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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 OR P04(IND)=BLANK
LET COL=4
END-IF
END-DO
TALLY HH01(ROW,COL)
END-SUBR HH01

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SUBROUTINE HH02
UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0 AND (P04(1)=1 OR P04(1)=2)
RECODE H01A TO COL 1,2 2,3 3,4 OTHER,5
RECODE P03(1) TO ROW 0:14,2 15:24,3 25:34,4 35:44,5 45:54,6 55:64,7 65:99,8
                     OTHER,9
LET ROW=ROW + (P02(1) * 9)
TALLY HH02(ROW,COL)
END-SUBR HH02

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SUBROUTINE HH03
UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0 AND (P04(1)=1 OR P04(1)=2) AND
P03(1)=10:99 AND
(P16A(1)=1 OR P16A(1)=2 OR (P16A(1)=3 AND P16C(1)=1) OR
(P16A(1)=4 AND P16B(1)=1) OR
(P16A(1)=4 AND P16B(1)=2 AND P16C(1)=1) OR
(P16A(1)=6 AND P16B(1)=1) OR (P16A(1)=6 AND P16B(1)=2 AND P16C(1)=1))

RECODE P17(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 H01A TO COL 1,2 2,3 3,4 OTHER,5
TALLY HH03(ROW,COL)
END-SUBR HH03

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SUBROUTINE HH04
UNIVERSE GRP=1
RECODE H02 TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 OTHER,9
TALLY HH04(1,COL)
END-SUBR HH04

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SUBROUTINE HH05
UNIVERSE GRP=1
RECODE H03 TO ROW 1,2 2,3 3,4 4,5 OTHER,6
RECODE H04 TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 8,9 OTHER,10
TALLY HH05(ROW,COL)
END-SUBR HH05

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SUBROUTINE HH06
UNIVERSE GRP=1
RECODE H03 TO ROW 1,2 2,3 3,4 4,5 OTHER,6
RECODE H07 TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 OTHER,9
TALLY HH06(ROW,COL)
END-SUBR HH06

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SUBROUTINE HH07

UNIVERSE GRP=1

IF H06A=1

RECODE H06B TO COL 1,4 2,5 3,6 OTHERS,7

TALLY HH07(1,COL)

END-IF

IF H06A=2

TALLY HH07(1,2)

END-IF

IF H06A=BLANK

TALLY HH07(1,8)

END-IF

END-SUBR HH07

SUBROUTINE HH08

UNIVERSE GRP=1

RECODE H06C TO COL 1,2 2,3 3,4 4,5 5,6 6,7 7,8 OTHER,9

TALLY HH08(1,COL)

END-SUBR HH08

SUBROUTINE HH09

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 OR P04(IND)=BLANK

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 HH09(ROW,COL)

END-SUBR HH09

SUBROUTINE HH10

UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0 AND (P04(1)=1 OR P04(1)=2) AND

P03(1)=10:99 AND

(P16A(1)=1 OR P16A(1)=2 OR (P16A(1)=3 AND P16C(1)=1) OR

(P16A(1)=4 AND P16B(1)=1) OR

(P16A(1)=4 AND P16B(1)=2 AND P16C(1)=1) OR

(P16A(1)=6 AND P16B(1)=1) OR (P16A(1)=6 AND P16B(1)=2 AND P16C(1)=1))

RECODE P17(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

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END-IF
IF P04(IND)=17 OR P04(IND)=BLANK
LET COL=4
END-IF
END-DO
TALLY HH10(ROW,COL)
END-SUBR HH10

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SUBROUTINE HH11
UNIVERSE GRP=1

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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
                                OTHERS,1

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TALLY HH11(1,COL)
TALLY HH11(1,12)TYPE-COUNT(POP)

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END-SUBR HH11

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SUBROUTINE HH12
UNIVERSE GRP=1

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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

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```

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 OR P04(IND)=BLANK
LET GR=3
END-IF
END-DO

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LET COL=1 + (GR * 2)
TALLY HH12(ROW,COL)
LET COL=2 + (GR * 2)
TALLY HH12(ROW,COL)TYPE-COUNT(POP)

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END-SUBR HH12

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SUBROUTINE HH13

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UNIVERSE GRP=1 AND H08<>BLANK
RECODE H01A TO ROW 1,2 2,3 3,4 OTHER,5
TALLY HH13(ROW,1)
TALLY HH13(ROW,2)TYPE-COUNT(POP)
TALLY HH13(ROW,3)H08
END-SUBR HH13

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SUBROUTINE HH14

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UNIVERSE GRP=1 AND TYPE-COUNT(POP)>0
RECODE P20(1) TO ROW 1,2 2,3 3,4 4,5 5,6 OTHER,7
LET ROW = ROW + (P02(1) * 7)
RECODE H01A TO COL 1,2 2,3 3,4 OTHER,5
TALLY HH14(ROW,COL)
END-SUBR HH14

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SUBROUTINE HH15
UNIVERSE GRP=1 AND P02(1)=2 AND P05(1)<>1 AND P05(1)<>9
      AND (P04(1)=1 OR P04(1)=2)
RECODE P21(1) TO ROW 1,2 2,3 3,4 4,5 5,6 OTHER,7
RECODE H01A TO COL 1,2 2,3 3,4 OTHER,5
TALLY HH15(ROW,COL)
END-SUBR HH15

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SUBROUTINE HH16
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 HH16(ROW,COL)
END-SUBR HH16

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```

SUBROUTINE HH17
UNIVERSE GRP=1

RECODE TYPE-COUNT(POP) 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 OTHERS,1
OTHERS,1
TALLY HH17(1,COL)
TALLY HH17(1,12)TYPE-COUNT(POP)

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```

END-SUBR HH17

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SUBROUTINE HH18
UNIVERSE GRP=1:2

TALLY HH18(1,1)
TALLY HH18(1,2)TYPE-COUNT(POP)

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END-SUBR HH18

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SUBROUTINE HH19
UNIVERSE GRP=1 AND H08=1:99

RECODE H01A TO ROW 1,2 2,3 3,4 OTHER,5

TALLY HH19(ROW,1)
TALLY HH19(ROW,2)TYPE-COUNT(POP)
TALLY HH19(ROW,3)H08

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END-SUBR HH19

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SUBROUTINE HH20
UNIVERSE GRP=1 AND (P12A(1)=1:8 OR P12B(1)=1:8) AND H08=1:99

RECODE H01A TO ROW 1,2 2,3 3,4 OTHER,5

TALLY HH20(ROW,1)
TALLY HH20(ROW,2)TYPE-COUNT(POP)
TALLY HH20(ROW,3)H08

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END-SUBR HH20

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