Census of Population and Housing, 2001 – Sri Lanka

MANUAL AND COMPUTER EDIT SPECIFICATIONS FOR THE POPULATION AND HOUSING SCHEDULE

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Range edits and Field length for the Population & Housing Schedule

Note: ***A1 to A11 must be numeric except A9.***
A1 to A11 should not be blank except A9.

	Variable	Field Length	Range
A 01	Province and District	2	11 Colombo 12 Gampaha 13 Kalutara 21 Kandy 22 Matale 23 Nuwara Eliya 31 Galle 32 Matara 33 Hambantota 41 Jaffna 42 Mannar 43 Vavuniya 44 Mullaitivu 45 Kilinochchi 51 Batticaloa 52 Ampara 53 Trincomalee 61 Kurunegala 62 Puttalam 71 Anuradhapura 72 Polonnaruwa 81 Badulla 82 Moneragala 91 Ratnapura 92 Kegalle
A 02	Electorate	3	001 - 160
A 03	D.S.Division	2	03 - 96
A 04	G.N. Division	3	005 - 775
A 05	Sector	1	1 - 3

A 06	M.C./U.C./P.S.	2	11 – 14 M. C. 21 – 26 U. C. 31 – 48 P. S.
A 07	Ward/village/estate	3	001 – 047 Wards 051 – 099 Villages 101 – 325 Estates
A 08	Census Block Number	2	01 – 99
A 09	Census Unit Number	3 1	001 – 198 900 - 990, A – Z, Blank
A 10	Type of unit	1	1 – 6
A 11	Household Number	1	0 – 9

Population;

P0	Whether this person is	1	1 - 4
P1	Persons Column Number	2	01 – 99
P2	*Name*	*Not Applicable.*	
P3	Relationship	2	01 – 12
P4	Sex	1	1 – 2
P5	Date of Birth, Year Month	4 2	1880 – 2001 01 – 12, 88, Blank
P6	Marital Status	1	1 – 9
P7	Citizenship	2	16 – 20

			26 – 30 36 – 40 46 – 50 56 – 60 66 – 70 76 - 80 88 99 (Not Reported)
P8	Religion	1	1 – 6,9
P9	Ethnicity	1	1 – 9
P10	Place of Birth	2	11 – 13 16 – 23 26 – 33 36 – 53 56 – 62 66 – 72 76 78 – 82 91 – 92 99 (Not Reported)
P11	Present place of usual residence	2	11 – 13 16 – 23 26 – 33 36 – 53 56 – 62 66 – 72 76 – 82 91 – 92 99 (Not Reported)
P12	Duration of residence	2	00 – 95 98, Blank 99 (Not Reported)
P13	Place of residence before moving to present usual residence	2	11 – 13 16 – 23 26 – 33 36 – 53 56 – 62

			66 – 72 76 78 - 82 91 – 92, Blank 99 (Not Reported)
P14	Disability	1	1 – 2, Blank
P15	School attendance	1	1 – 6, Blank
P16	Educational qualifications	2	00 – 16, 88, Blank 99 (Not Reported)
P17	Sinhala speaking	1	1 – 2, Blank
	English speaking	1	1 – 2, Blank
	Tamil speaking	1	1 – 2, Blank
	Sinhala read & write	1	1 – 2, Blank
	English read & write	1	1 – 2, Blank
	Tamil read & write	1	1 – 2, Blank
P18	A Paid Employee	2	00 – 52, Blank
	B Employer	2	00 – 52, Blank
	C Own Account Worker	2	00 – 52, Blank
	D Unpaid Family Worker	2	00 – 52, Blank
	E Seeking work	2	00 – 52, Blank
	F Non Economic Activity	2	00 – 52, Blank
P19	Occupation	4	0000 – 9999, Blank
P20	Industry	4	0000 – 9999, Blank
P21	Employment Status	1	1 – 6, Blank
P22	Principal Economic Activity	1	1 – 6, Blank
P23	Total Live births	2	00 – 18, Blank

P24	Total Living children	2	00 – 18, Blank
P25	Last live born child, Year	4	1910 – 2001, Blank
	Month	2	01 – 12 88, Blank

New Variables :

Age	3	000 – 120
NewP3-Relationship	2	01 – 11
Newp17-Literacy	1	1 – 2
Newp18-Activity status	1	1 – 3, 9

HOUSING ;

Unit Information

H1	Occupancy status	1	1 – 2
H2	Number of Households	1	1 – 9
H3	Number of Persons	2	01 – 99
H4	A Wall	1	1 – 8, Blank
	B Floor	1	1 – 6, Blank
	C Roof	1	1 – 6, Blank
H5	Type of structure	1	1 – 6, Blank
H6	Year of construction	2	01 – 12, Blank
H7	Unit usage	1	1 – 2, Blank
H8	Rooms	1	1 – 2, Blank
H9	Number of rooms		
	Bed room	1	0 – 9, Blank
	Living/Dining room	1	0 – 9, Blank
	Kitchen/Pantry	1	0 – 9, Blank
	Office room	1	0 – 9, Blank
	Other rooms	1	0 – 9, Blank

Household Information

H10	No. of Persons in Household	2	01 – 15, Blank
H11	Availability of toilet	1	1 – 5, Blank
H12	Type of toilet	1	1 – 5, Blank

H13	Drinking water	1	1 – 9, Blank
H14	Type of lighting	1	1 – 4, Blank
H15	Type of cooking fuel	1	1 – 6, Blank
H16	Tenure	1	1 – 5, Blank

New Variables :

NEWH4-Type of Housing Unit	1	1 – 3, 9
NEWH9-Number of Rooms	2	01 - 15

Edit Specification for the Population and Housing Schedule

Structural Edits

1. Check that for each district whether schedules of all D.S. Divisions, G.N. Divisions, Municipal/Urban Councils, Villages, Estates, Census blocks are present.

2. Check that each record identification codes
   (a) A1 to A11 must be numeric except A9.
   (b) A1 to A8 should not be blank or zero.
   (c) A9 to A11 should not be blank except A9.
   (d) Check whether there any duplicate record.

   Is there any incorrect records in (a) to (d) give a error message according to error.

3. Check that for each record A10 – type of unit has values 1: 6 (A10=1:6)
   If (A10<>1:6),
   MSG: "A10 – Type of unit is out of range"

4. (a) If A10 – Type of unit has values 1 : 4, A9-Unit Census number (first three digits) should not be less than 300, If greater than 299,
   MSG: "A10 has values 1:4 but A9- Unit Census number is >=300"

   (b) If A10 – Type of unit values is 5:6, A9 – Unit Census number (first three digits) should be greater thn 899, If less thn 900,
   MSG: "A10 has value 5:6 but A9-Unit Census number is <900"

5. (a) Check that for each record A11-Household number has values 0:9 (A11=0:9),
   If (A11<>0:9),
   MSG: "A11-Household number is missing"

   (b) If A10-Type of Unit is code 3 or 4 or 6 (A10=3,4,6) then, A11-household number should be zero (A11=0)
   If (A11<>0),
   MSG: "(A10=3,4,6) but (A11<>0)"

   (c) If (A10-Type of Unit is code 5) then, A11-household number should not be a zero. (A11<>00)
   If (A11=0),
   MSG: "(A10=5) but (A11=0)"

6. ;

Housing Units (A10=1)
Collective Living Quarters (A10=2)
Institutions (A10=3)

(1) If (A10=1:3) then there should be a UNIT RECORD.
If no unit record present
Msg: "A10=1:3) but UNIT RECORD missing"

(2) If (A10=4:6) and UNIT RECORD present
Msg: "(A10=4:6) but UNIT RECORD present'

7. (a) **Household** Information record is needed for Occupied Housing Units only [(A10=1) and (A11=1:9)].

(1) If [(A10=1) and (A11=1:9)] then there should be a HOUSEHOLD RECORD
If no household record present
Msg: "[(A10=1:3) and (A11=1:9)] but HOUSEHOLD RECORD missing"

Edits within questionnaire

Population

P0 – Whether this Person is

1. Check that P0 has values 1:4
If not,
MSG: "P0 is missing or invalid"

2. If (A10=5) then, recorded all the persons should be a Usual Rresident (P0=1)
If (P0<>1), then allocate (P0=1)
MSG: "Correct to P0=1 bases on A10"

3. If (A10=4 or 6) then, recorded all the persons should be a Visitor (P0=4)
If (P0<>4), then allocate (P0=4)
MSG: "Correct to P0=4 based on A10"

P1 – Person's column number

1. Check that P1-Person column number is an ascending order starting from 01.
If not or if blank.

MSG: “Person column number missing or invalid”

2. If any two persons have identical information for P1-Column number, P3-Relationship, P4-Sex, P5Y-Year of birth then the second person is duplicate. Drop the duplicate record.
MSG: “Correct miskeyed person column number”

P3 – Relationship

Valid codes;

P03-Relationship;

01. Head
02. Wife / Husband
03. Son / Daughter
04. Son / Daughter in law
05. Grand child / Great grand child
06. Parent of head or spouse
07. Other relative
08. Domestic employee
09. Boarder
10. Non relative
11. Visitor
12. Clergy

A10-Type of Unit Codes;

1 Housing Unit
2. Collective Living Quarter
3. Institution
4. Non Housing Unit
5. Homeless
6. Out-door Enumeration

H1-Occupancy Status;

1. Occupied
2. Vacant

For questionnaires which are,

(A) Occupied Housing unit (A10=1) and (H1=1)
Occupied Collective Living Quarter (A10=2) and (H1=1)
Homeless (A10=5)

and there are no

Hindu Clergy [(P03=12) and (P08=2)] or
Islam Clergy [(P03=12) and (P8=3)] or
Other Christian Clergy [(P03=12) and (P8=5)] **in that household**

(1) All the households under the categories should be a head of household
If {[(A10=1:2) and (A11=1:9) and (P0=1:2)] or (A10=5)}and HEAD missing [(P03<>01) or (P03<>12)]
Msg: "[(A10=1:2) and (A11=1:9) and (P0=1:2)] or (A10=5) but head missing"

(2) The head of household must be the first person in the household

(3) The second through last person in the household must have codes 02:12 (P03=02 : 12)

(4) All head of household's age must be a greater than 11 years
If head's present but head's (P05Y>1989)
Msg: "Head present but head's age is less than 12 years (P05Y>1989)"

(5) Spouse age must be a greater than 12 years
If spouse present but spouse (P05Y>1988)
Msg: "spouse present but spouse age is less than 12 years (P05Y>1988)"

<u>Other person in the household is Wife / Husband (P03 = 02)</u>

4. If the first person is male head and there are more than one spouse;
For all female spouses;

a. If male head is Married

(1) If age of spouse < 12 make the spouse a child and the child's marital status to 'Never married'

(2) If age of spouse >= 12 and marital status of spouse is never married, make the spouse to 'Married Registered'

b. If male head is Never married

(1) If age of spouse < 12 make the spouse a child and the child's marital status to 'Never married'

(2) If age of spouse >= 12 and marital status of spouse is never married hen marital status of head change to 'Married Registered'

For all male spouses, make to 'Other relative' (NEWP03=07)

. If the first person is a female head and there are more than one spouse;

For all male spouses

a. If age of oldest spouse < 15, all the spouses become 'children' and if the marital status is not never married change it to 'Never married'

b. If age of oldest spouse >= 15 and if female head's marital status is not 'married' change it to 'Married Registered' and all other spouses become 'Other relative' (NEWP03=07)

For all female spouses, make to 'Other relative' (NEWP03=07)

Other person in the household is Son / Daughter (P03 = 03)

6. a. For all female heads
If (Age of head - Age of son/daughter) < 12, then change that person to 'Other relative' (NEWP03=07)

b. For male heads
If (Age of head – Age of son/daughter) < 15, then change that person to 'Other relative' (NEWP03=07)

Other person in the household is Parent of head/spouse (P03 = 06)

7. If the person is father/mother and Age < (Age of head + 12), then change that person to 'Other relative' (NEWP03=07)

Other person in the household is blank or invalid (P03=blank) or (P03<>01 : 12)

8. If the person's relationship is invalid or blank, then change that person to 'Other relative' (NEWP03=07)

For other types of units (A10 = 3) and (A10 = 4) and (A10 = 6) and [A010=1:2) and (A11=0)}

9. (a) If (A10=3) and (P03<>10)
Then, allocate NEWP03=10 (Non Relative)
Msg'Institution, change relationship to Non Relative NEWP03=10).

(b) If [(A10=4) or (A10=6)] and (P03<>11)
Then, allocate P0=4 and NEWP03=11 (Visitor)

Msg'Non Housing Unit/Outdoor change Relationship to 'visitor'
NEWP03=11).

(b) If [(A10=1:2,5) and (A011<>1:9)]
Then, allocate P0=4 and NEWP03=11 (Visitor)
Msg'Vacant Housing Unit/Homeless change Relationship to 'visitor'
NEWP03=11).

P4-Sex

Check that P4-Sex has values 1:2
If not,
MSG: "P4-sex is missing or invalid"

If person is head (P3=01), check that P4-Sex has values 1:2

1. If P4-Sex has valid values and if spouse exists
check that spouse has sex opposite to head.
If not,
Check that spouse fertility information is present (P23=00:15 or P24=00:15)
If present, then allocate P4-sex of spouse equal to female.
MSG: "Change sex of spouse equal to female based on fertility"
If fertility information is not present,
Then allocate P4-Sex of spouse opposite to head.
MSG: "Change sex of spouse opposite to head"

2. If head has invalid sex in P4 and if spouse exists,
check that for the spouse P4-Sex has values 1:2

(a) If spouse P4-Sex is valid,
allocate P4-Sex of head opposite to spouse
MSG: "Change sex of head opposite to spouse"

(b) If spouse P4-Sex is invalid,
Check fertility information of spouse is present (P23=00:15)
(1) If fertility information is present,
Then allocate P4-Sex of spouse equal to female and head equal to male
MSG: "Change sex of spouse to female and head equal to male"

(2) If spouse fertility information is not present,
Check fertility information of head
Fertility information of head not present
Then allocate sex of head to male and spouse to female
MSG: "Change sex of head equal to male and spouse to female"
Fertility information of head is present
Then allocate P4-Sex of head to female and spouse equal to male
MSG: "Change sex of head equal to female based on fertility"

3. If not head or spouse and P4-Sex is invalid,
   Check fertility information is present (P23=00:15 or P24=00:15)
   If fertility information is present,
   Then allocate P4-Sex equal to Female(P4=2)
   MSG: "Correct P4-Sex equal to Female"

   If fertility information is not present,
   MSG: "P4-sex is invalid"

P5-Date of Birth

1. Check that P5Y-Year of birth has values 1880:2001
   If not,
   MSG: " P5Y-Year of birth Not reported/Out of range"

   If P5Y-Year of birth has valid values,
   Check that P5M-Month of birth has values 1:12 or 88 or blank
   If not,
   Then allocate P5M-Month equal to blank
   MSG: "Changed P5M-Month of birth equal to blank"

2. If [(P05Y>2001) or {(P05Y=2001) and [(P05M>07) and (P05M<>88)]}
   Then, Dump Questionnaire
   Msg'Date of Birth is invalid (not before the Census date)'

P6 – Marital Status

1. Check that P6-marital status has values 1:7
   If not, allocate P6-marital status equal to not reported (P6=9)
   MSG: "Change P6-Marital status equal to not reported (9)"

2. If P5Y-Year of birth is greater than 1986 and P04-Sex is male, then P6-marital status should be equal to never married (P6=1)
   If not, allocate P6-marital status equal to never married.
   MSG: "Male less than 15 years must be never married"

3. If P5Y-year of birth is greater than 1989 and P4-sex is female, then P6-marital status should be equal to never married (P6=1).
   If not, allocate P6-marital status equal to never married.
   MSG: "Female less than 12 years must be never married"

4. If P5Y-year of birth is greater than 1978 and P15-School attendance equal to attending School (P15=2), then P6-marital status should be equal to never married (P6=1).
   If not, allocate P6-Marital status equal to never married.
   MSG: "Change P6-Marital status equal to never married"

5. Check that P4-Sex is female and if age is greater than or equal to 15 and if P23 or P24 not blank
   Then P6-Marital status should not be 'never married'
   MSG: "Female with fertility should not be 'never married'"
   If not, allocate P6-Marital status equal to code 8 (married-undetermined).
   MSG: "Marital status 'married undetermined' based on fertility information"

6. (a) If head and spouse both are present, check that marital status of head and spouse are equal to married. (code of P6 is equal to 2 or 3).
   If head is married (P6=2 or 3) and spouse is not married (P6 <> 2 or 3)
   Then allocate spouse marital status to Unspecified (P6=9)
   MSG: "Change spouse marital status Unspecified"
   If spouse is married (P6=2 or 3) and head is not married (P6 <> 2 or 3)
   Then allocate head marital status to Unspecified (P6=9)
   MSG: "Change head marital status to Unspecified"

   (b) If head and spouse both are present and marital status of head and spouse are not equal to married (code of P6 is not equal to 2 or 3).
   Then allocate head and spouse both marital status to married undetermined (code 8).
   MSG: "Change head and spouse marital status to married undetermined"

P7-Citizenship

Check that P7-Citizenship has values 16:20, 26:30, 36:40, 46:50, 56:60, 66-70, 76-80, 88

1. If child (P3=03) and if father [(P3=01) and (P4=1)] or [(P3=02) and (P4=1)] or [(P3=12) and (P4=1)] is present and valid values
   Then check that child has the same citizenship as father
   MSG: "Child should have same citizenship as father"

   If not, allocate father's citizenship to child.
   MSG: "Corrected citizenship of child with father's citizenship"

2. If P7-Citizenship is not valid,

   (1) If Head (P3=01) or Spouse (P3=02) citizenship is not valid
   Then allocate, head or spouse citizenship to not reported (99)
   MSG: "Correct Head/Spouse citizenship to not reported"

   (2) If others correct citizenship to not reported (99)
   MSG: "Correct citizenship to not reported-others"

P8-Religion

Check that P08-Religion has values 1:6
If P8-Religion is not valid,

1. If Head (P3=01) or Spouse (P3=02) religion is not valid
   Then allocate, head or spouse religion to not reported (9)
   MSG: "Correct Head/Spouse religion to not reported"

2. If child (P3=03) and if head and spouse both exist and have the same religion
   Then allocate fathers [(P3=01) and (P4=1)] or [(P3=02) and (P4=1)] or [(P3=12) and (P4=1)] religion to child
   MSG: "Correct child to parents religion"

3. If other than head/spouse or child correct religion to not reported (9)
   MSG: "Correct religion to not reported-others"

P9-Ethnic Group

Check that P9-Ethnic group has values 1:9

If P9-Ethnic group is not valid,

1. If Head (P3=01) or Spouse (P3=02) ethnicity is not valid
   Then allocate, head or spouse ethnicity to not reported (0)
   MSG: "Correct Head/Spouse ethnicity to not reported"

2. If child (P3=03) and if father [(P3=01) and (P4=1)] or [(P3=02) and (P4=1)] or [(P3=12) and (P4=1)] is present and valid values
   Then check that child has the same ethnicity as father
   MSG: "Child should have same ethnicity as father"
   If not, allocate father's ethnicity to child.
   MSG: "Correct child ethnicity to father's ethnicity"

3. If other than head/spouse or child correct ethnicity to not reported (0)
   MSG: "Correct ethnic group to not reported-others"

P10-Place of Birth

1. Check that P10-Place of birth has values 11:13, 16:23, 26:33, 36:53, 56:62, 66:72, 76:82, 91:92
   If not, allocate place of birth to not reported (99)
   MSG: "Place of birth missing or invalid; corrected to not reported"

2. If (P12=98) and (P11=77) then P10 should be equal to A1 (P10=A1)
   If (P10<>A1), then allocate (P10=A1)

MSG: "(P12=98) and (P11=77) then P10 should be equal to A1"

3. P10 should not be equal to 77
   If (P10=77)
   Then allocate (P10=A1)
   MSG: "Correct to (P10=A1) - P10 should not be equal to 77"

P11-Place of Usual Residence

Check that P11-Place of usual residence has values 11:13, 16:23, 26:33, 36:53, 56:62, 66:72, 76:82, 91:92, 99
If not, allocate not reported (P11=99)
MSG: "Usual residence is missing or invalid; corrected to not reported"

1. If (P0=1) or (P0=2), then P11-Place of usual residence should be 77.
   If not, allocate place of usual residence to 77. (P11=77)
   MSG: "Corrected P11-Place of usual residence to 77, based on P0"

2. Check that P11-Place of usual residence is not equal to A01-Province and District (P11<>A01) code.
   MSG: "Incorrect code used for P11-Place of usual residence"
   If P11-usual residence is equal to A01-province and district
   Then allocate place of usual residence to 77 (P11 = 77)
   MSG: "Corrected P11-Place of usual residence to 77, based on A01"

AT THIS POINT PROCESSING SHOULD TERMINATE FOR ALL PERSONS WHO ARE ABROAD.

If (P0 = 3) check that P12 to P25 are blank
If not blank,
Allocate P12 to P25 are blank.
MSG: " Correct P12 to P25 are blank based on P0"

P12-Duration of Residence

Check that P12-Duration of residence has values 00:95, 98
If not, allocate P12-duration of Residence to not reported (99).
MSG: "P12-Duration of residence missing or invalid; corrected to not reported"

P13-District of Previous Residence

1. Check that P13-District of Previous residence has values 11:13, 16:23, 26:33, 36:53, 56:62, 66:72, 76:82, 91:92
   If not allocate P13-District of previous residence to not reported (99).
   MSG: "P13:Previous residence missing or invalid; corrected to not reported"

2. If P12=98 (since birth) then P13 should be blank.
   MSG: “Previous residence should be blank; if living here since birth”
   If not, allocate P13=blank
   MSG: “Correct previous residence for persons living here since birth”

3. P13 should not be equal to A1
   If (P0<>3) and (P10<>A1) and (P11=77) and (P13=A1)
   Then allocate (P13=P10)
   MSG: “Correct previous residence(P13) equal to district of birth(P10)”

   If (P0<>3) and (P10=A1) and (P11=77) and (P13=A1)
   Then allocate (P12=98) and (P13=Blank)
   MSG: “Correct (P12=98) and (P13=Blank) based on P13”

P14-Dissability

Check that P14-Dissability has values 1:2
If not, allocate P14-Dissability to not disabled (P14=2)
MSG: “Corrected P14-Dissability to not disabled”

AT THIS POINT PROCESSING SHOULD TERMINATE FOR ALL PERSONS UNDER 3 YEARS.

If age is under 3 years, check that P15 and P16 are blank
MSG: “ Under 3 years, P15 and P16 should be blank”
If not,
Allocate P15-School attendance and P16-Educational attainment equal to blank.
MSG: “ Correct P15 and P16 are blank based on age”

P15 – School Attendance

Check that P15-School attendance has values 1:6
If not, allocate P15-School attendance to does not attending (P15 = 6)
MSG: “P15-School attendance is missing or invalid; correct to not attending”

1. If P15-School attendance is “Pre school” (P15=1) then, age should between 03 and 06 years (both inclusive)
   MSG: “Going to Pre-School implies age between 3 and 6 years”

2. (a) If P15-School attendance is “school” (P15=2) and if age is greater than or equal to 3 and less thn 5 [(Age>=3) and (AAge<5),

Then allocate P15-School attendance to Pre-School (P15=1)
MSG: "Correct P15 to Pre-School based on age"

(b) If P15-School attendance is "school" (P15=2) and if age is greater than 23 (Age>23),
Then allocate P15-School attendance to Other Educational Institution (P15=5)
MSG: "Correct P15 to Other Educational Institution based on age"

3. (a) If P15-School attendance is Vocational/Technical (P15=4) and if age is less than 14 years (Age < 14),
Then, allocate P15-school attendance to Attending school (P15=2)
MSG: "Correct P15-School attendance to Attending school "

(b) If P15-School attendance is Vocational/Technical (P15=4) and if age is greater than 55 years (Age > 55),
Then, allocate P15-School attendance to Does not attend (P15=6)
MSG: "Correct P15-School attendance to Does not attend"

4. If P15-School attendance is "University (P15=3) then, (Age=17 : 65) years
If (Age < 17) then, allocate P15 equal to School (P15=2).
MSG: "Corrected P15 to School (P15=2) based on age"

If (Age > 65) then, allocate P15 equal to does not attend (P15=6).
MSG: "Corrected P15 to Does not attend (P15=6) based on age"

P16- Educational Attainment

Check that P16-Educational attainment have values 00:16, 88
If not, allocate P16-Educational attainment to not reported (99).
MSG: "P16-Educational attainment missing or invalid; corrected to not reported"

1. If age is less than 5 years
Then, P16-Educational attainment should be blank.
MSG: "Educational attainment should be blank; if age less than 5 years"
If not, allocate P16-Educational attainment to blank.
MSG: "Correct P16-Educational attainment to blank based on age"

2. If P16-Educational attainment is greater than 10, check (Age>=15)
MSG: "Educational attainment greater than 10; implies age at least 15 yrs"

(a) If age is 15 years then (P16 =< 10)
If (P16>10), then allocate (P16=10)
MSG: "Correct over estimation of educational attainment(P16=10).

(b) If age is 14 years then (P16 =< 09)
If (P16>09), then allocate (P16=09)

MSG: “Correct over estimation of educational attainment(P16=09).

(c) If age is 13 years then (P16 =< 08)
If (P16>08), then allocate (P16=08)
MSG: “Correct over estimation of educational attainment(P16=08).

(d) If age is 12 years then (P16 =< 07)
If (P16>07), then allocate (P16=07)
MSG: “Correct over estimation of educational attainment(P16=07).

(e) If age is 11 years then (P16 =< 06)
If (P16>06), then allocate (P16=06)
MSG: “Correct over estimation of educational attainment(P16=06).

(f) If age is 10 years then (P16 =< 05)
If (P16>05), then allocate (P16=05)
MSG: “Correct over estimation of educational attainment(P16=05).

(g) If age is 09 years then (P16 =< 04)
If (P16>04), then allocate (P16=04)
MSG: “Correct over estimation of educational attainment(P16=04).

(h) If age is 08 years then (P16 =< 03)
If (P16>03), then allocate (P16=03)
MSG: “Correct over estimation of educational attainment(P16=03).

(i) If age is 07 years then (P16 =< 02)
If (P16>02), then allocate (P16=02)
MSG: “Correct over estimation of educational attainment(P16=02).

(j) If age is 06 years then (P16 =< 01)
If (P16>01), then allocate (P16=01)
MSG: “Correct over estimation of educational attainment(P16=01).

(k) If age is 05 years, then (P16 =00) or (P16=88) or (P16=99)

(1) If (P16<>00) or (P16<>88) or (P16<>99) and (P15=1) or (P15=6)
Then allocate (P16=88)
Msg”(Age=05) and (P15=1,6) then correct (P16=88).

(2) If (P16<>00) or (P6<>88) or (P16<>99) and (P15=2:5)
Then allocate (P16=00)
Msg”(Age=05) and (P15=2:6) then correct (P16=00).

(3) If (P16<>00) or (P6<>88) or (P16<>99) and (P15<>1:6)
Then allocate (P16=99)
Msg”(Age=05) and (P15<>1:6) then correct (P16=99).

3. If age is greater than 10 years, check that P16-Educational attainment should not be equal to 00.
   MSG: "Age greater than 10 years; P16-Educational attainment should not be equal to 00"

   If P16 equal to 00, then allocate P16-Educational attainment to not reported (99).
   MSG: "Correct P16-Educational attainment to not reported"

AT THIS POINT PROCESSING SHOULD TERMINATE FOR ALL PERSONS UNDER 10 YEARS.

If age is less than 10 years, check that P17 to P22 are blank.
MSG: "Age less than 10 years; P17 to P22 should be blank"

If not,
Allocate P17 to P22 are equal to blank.
MSG: "Correct P17 to P22 are blank based on age"

P17- Literacy and Speaking Ability

(a) (1) If (P9=01),

If ((P17-Sinhala Speak=Blank) or (P17-Sinhala Speak=2)) and (P14=2)
Then allocate (P17-Sinhala Speak=1).

If (P17-Sinhala Speak=Blank) and (P14=1)
Then allocate (P17-Sinhala Speak=2).

If (P17-Tamil Speak=Blank), then allocate (P17-Tamil Speak=2).
If (P17-English Speak=Blank), then allocate (P17-English Speak=2).

(2) If (P9=02 : 04),

If ((P17-Tamil Speak=Blank) or (P17-Tamil Speak=2)) and (P14=2)
Then allocate (P17-Tamil Speak=1).

If (P17-Tamil Speak=Blank) and (P14=1)
Then allocate (P17-Tamil Speak=2).

If (P17-Sinhala Speak=Blank), then allocate (P17-Sinhala Speak=2).
If (P17-English Speak=Blank), then allocate (P17-English Speak=2).

(3) If (P9=05),

If ((P17-English Speak=Blank) or (P17-English Speak=2)) and (P14=2)
Then allocate (P17-English Speak=1).

If (P17-English Speak=Blank) and (P14=1)
Then allocate (P17-English Speak=2).

If (P17-Sinhala Speak=Blank), then allocate (P17-Sinhala Speak=2).
If (P17-Tamil Speak=Blank), then allocate (P17-Tamil Speak=2).

(4) If (P9<>01 : 05),

If (P17-Sinhala Speak<>1:2), then allocate (P17-Sinhala Speak=2).
If (P17-Tamil Speak<>1:2), then allocate (P17-Tamil Speak=2).
If (P17-English Speak<>1:2), then allocate (P17-English Speak=2).

(b) (1) If (P9=01),

If [(P17-Sinhala Read & Write=Blank) or (P17-Sinhala Read & Wright=2)]
and (P16=11 : 16)
Then allocate , (P17-Sinhala Read and Write=1).

If (P17-Sinhala Read & Write=Blank) and (P16=06 : 10)
Then allocate , (P17-Sinhala Read and Write=1).

If (P17-Sinhala Read & Write=Blank) and (P16<>06 : 16)
Then allocate , (P17-Sinhala Read and Write=2).

If (P17-Tamil Read & Write=Blank),
Then allocate (P17-Tamil Read and Write=2).

If (P17-English Read & Write=Blank),
Then allocate (P17-English Read and Write=2).

(2) If (P9=02 : 04),

If [(P17-Tamil Read & Write=Blank) or (P17-Tamil Read & Wright=2)]
and (P16=11 : 16)
Then allocate , (P17-Tamil Read and Write=1).

If (P17-Tamil Read & Write=Blank) and (P16=06 : 10)
Then allocate , (P17-Tamil Read and Write=1).

If (P17-Tamil Read & Write=Blank) and (P16<>06 : 16)
Then allocate , (P17-Tamil Read and Write=2).

If (P17-Sinhala Read & Write=Blank),
Then allocate (P17-Sinhala Read and Write=2).

If (P17-English Read & Write=Blank),
Then allocate (P17-English Read and Write=2).

(3) If (P9=05),

If [(P17-English Read & Write=Blank) or (P17-English Read & Wright=2)] and (P16=11 : 16)
Then allocate , (P17-English Read and Write=1).

If (P17-English Read & Write=Blank) and (P16=06 : 10)
Then allocate , (P17-English Read and Write=1).

If (P17-English Read & Write=Blank) and (P16<>06 : 16)
Then allocate , (P17-English Read and Write=2).

If (P17-Sinhala Read & Write=Blank),
Then allocate (P17-Sinhala Read and Write=2).
If (P17-Tamil Read & Write=Blank),
Then allocate (P17-Tamil Read and Write=2).

(4) If (P9<>01 : 05),

If (P17-Sinhala Read & Write=Blank),
Then allocate (P17-Sinhala Read and Write=2).

If (P17-Tamil Read & Write=Blank),
Then allocate (P17-Tamil Read and Write=2).

If (P17-English Read & Write=Blank),
Then allocate (P17-English Read and Write=2).

CREATE A VARIABLE LITERACY P17 WITH VALUES 1 AND 2 AS FOLLOWS.

If P17-Sinhala read and writes equal 1 or P17-Tamil read and writes equal 1 or P17-English read and writes equal 1 then, P17-Literacy equal code ‘1’ otherwise P17-Literacy equal code ‘2’.

P19–Occupation / P20–Industry

1. Check that P19-Occupation have valid values,
   If (P18A+P18B+P18C+P18D) > 00 and (P19<>Valid Values)
   Then, allocate P19=0000 (not reported)
   MSG: "Correct P19-Occupation to not reported"

2. Check that P20-industry has valid values,.
   If (P18A+P18B+P18C+P18D) > 00 and (P20<>Valid Values)
   Then allocate P20 = 0000 (not reported)
   MSG: "Correct P20-Industry to not reported (0000)"

3. If [(P18A+P18B+P18C+P18D+P18E+P18F)=00]
   Then allocate (P19=0000) and (P20=0000)
   Msg: "Correct P19 and P20 to Not reported based on P18"

4. If (P19=1110:1171, 2111:2359, 0110) and (P16=00:05, 88)
   Then allocate (P19=0000) and (P20=0000)
   Msg: "Correct P19 and P20 to Not reported based on P16"

5. If (P19=1210:1239) and (P16=88)
   Then allocate (P19=0000) and (P20=0000)
   Msg: "Correct P19 and P20 to Not reported based on P16"

6. If (P19=1110:1239, 2111:2359) and (Age<18)
   Then allocate (P19=0000) and (P20=0000)
   Msg: "Correct P19 and P20 to Not reported based on Age"

P18-Activities and their durations

Check that (P18A=00:52)
If (P18A=blank) then allocate (P18A=00)
If (P18A>52) then allocate (P18A=52)

Check that (P18B=00:52)
If (P18B=blank) then allocate (P18B=00)
If (P18B>52) then allocate (P18B=52)

Check that (P18C=00:52)
If (P18C=blank) then allocate (P18C=00)
If P(18C>52) then allocate (P18C=52)

Check that (P18D=00:52)
If (P18D=blank) then allocate (P18D=00)
If (P18D>52) then allocate (P18D=52)

Check that (P18E=00:52)
If (P18E=blank) then allocate (P18E=00)
If (P18E>52) then allocate (P18E=52)

Check that (P18F=00:52)
If (P18F=blank) then allocate (P18F=00)
If (P18F>52) then allocate (P18F=52)

1. If (P18A+P18B+P18C+P18D+P18E+P18F) > 52
   MSG;"P18-Activity total should not be more than 52 weeks"

2. (If (P18A+P18B+P18C+P18D+P18E+P18F) <> 00 and
   If (P19<>blank) and (P20<>blank), then (P18A+P18B+P18C+P18D)>00

   (1) If (P18A+P18B+P18C+P18D)=00 then check (P18E+P18F)<52

   (a) If (P18E+P18F) < 52 and (P21=1:3)
   Then allocate P18A=52-(P18E+P18F)

   (b) If (P18E+P18F) < 52 and (P21=4)
   Then allocate P18B=52-(P18E+P18F)

   (c) If (P18E+P18F) < 52 and (P21=5)
   Then allocate P18C=52-(P18E+P18F)

   (d) If (P18E+P18F) < 52 and (P21=6)
   Then allocate P18D=52-(P18E+P18F)
   (e) If (P18E+P18F) < 52 and (P21=blank)
   Then allocate P18A=52-(P18E+P18F) and (P21=9) not reported

   (2) If (P18A+P18B+P18C+P18D)=00 then check (P18E+P18F)=52

   (a) If (P18E+P18F)=52 and (P22=blank) and (P21=1:3)
   Then allocate (P18A=P18F) and (P18F=00)

   (b) If (P18E+P18F)=52 and (P22=blank) and (P21=4)
   Then allocate (P18B=P18F) and (P18F=00)

   (c) If (P18E+P18F)=52 and (P22=blank) and (P21=5)
   Then allocate (P18C=P18F) and (P18F=00)

   (d) If (P18E+P18F)=52 and (P22=blank) and (P21=6)
   Then allocate (P18D=P18F) and (P18F=00)

   (e) If (P18E+P18F)=52 and (P22=blank) and (P21=blank)

Then allocate (P18A=P18F) and (P18F=00) and (P21=9) not reported

(f) If (P18E+P18F)=52 and (P22<>blank) and (P21=1:3)
Then allocate (P18A=P18E) and (P18E=00)

(g) If (P18E+P18F)=52 and (P22<>blank) and (P21=4)
Then allocate (P18B=P18E) and (P18E=00)

(h) If (P18E+P18F)=52 and (P22<>blank) and (P21=5)
Then allocate (P18C=P18E) and (P18E=00)

(i) If (P18E+P18F)=52 and (P22<>blank) and (P21=6)
Then allocate (P18D=P18E) and (P18E=00)

(j) If (P18E+P18F)=52 and (P22<>blank) and (P21=blank)
Then allocate (P18A=P18E) and (P18E=00) and (P21=9) not reported

3. If (P15=2) then (P18F=52)

(a) If (P18F<>52) and (P22=1)
Then allocate (P18F=52) and (P18A=00) and (P18B=00) and P18C=00) and (P18D=00) and (P18E=00) and (P19=blank) and (P20=blank) and (P21=blank)

(b) If (P18F<>52) and (P22=blank) and (P16=00:10)
Then allocate (P18F=52) and (P22=1) and (P18A=00) and (P18B=00) and (P18C=00) and (P18D=00) and (P18E=00) and (P19=blank) and (P20=blank) and (P21=blank)

4. (If (P18A+P18B+P18C+P18D+P18E+P18F) <> 00 Then,
Check that (P18A+P18B+P18C+P18D+P18E+P18F)=52 weeks

If (P18A+P18B+P18C+P18D+P18E+P18F) <> 52 weeks,

(a) (1) If (P18F=00)and (P22=blank) and (P18A+P18B+P18C+P18D)>=P18E and (P18A>=P18B) and (P18A>=P8C) and (P18A>=P18D) then allocate P18A = 52 – (P18B+P18C+P18D+P18E)

(2) If (P18F=00)and (P22=blank) and (P18A+P18B+P18C+P18D)>=P18E and (P18B>P18A) and (P18B>=P8C) and (P18B>=P18D) then allocate P18B = 52 – (P18A+P18C+P18D+P18E)

(3) If (P18F=00)and (P22=blank) and (P18A+P18B+P18C+P18D)>=P18E and (P18C<P18A) and (P18C<P8B) and (P18C>=P18D) then allocate P18C = 52 – (P18A+P18B+P18D+P18E)

(4) If (P18F=00)and (P22=blank) and (P18A+P18B+P18C+P18D)>=P18E and (P18D<P18A) and (P18D<P18B) and (P18D<P18C) then allocate P18D = 52 – (P18A+P18B+P18C+P18E)

(5) If (P18F=00) and (P22=blank) and (P18A+P18B+P18C+P18D)<P18E
then allocate P18E = 52 – (P18A+P18B+P18C+P18D)

(b) If (P18F=00) and (P22<>blank)
Then allocate P18F = 52 – (P18A+P18B+P18C+P18D+P18E)

(c) (1) If (18F <> 00) and (P18A+P18B+P18C+P18D+P18E) < P18F
then allocate P18F=52–(P18A+P18B+P18C+P18D+P18E)

(2) If (18F <> 00) and (P18A+P18B+P18C+P18D+P18E) >= P18F and
P18E > (P18A+P18B+P18C+P18D)
then allocate P18E=52–(P18A+P18B+P18C+P18D+P18F)

(3) If (18F <> 00) and (P18A+P18B+P18C+P18D+P18E) >= P18F and
(P18A+P18B\+P18C+P18D) >= P18E and
(P18A>=P18B) and (P18A>=P18C) and (P18A>=P18D)
then allocate P18A=52–(P18B+P18C+P18D+P18E+P18F)

(4) If (18F <> 00) and (P18A+P18B+P18C+P18D+P18E) >= P18F and
(P18A+P18B\+P18C+P18D) >= P18E and
(P18B>P18A) and (P18B>=P18C) and (P18B>=P18D)
then allocate P18B=52–(P18A+P18C+P18D+P18E+P18F)

(5) If (18F <> 00) and (P18A+P18B+P18C+P18D+P18E) >= P18F and
(P18A+P18B\+P18C+P18D) >= P18E and
(P18C>P18A) and (P18C>P18B) and (18C>=P18D
then allocate P18C=52–(P18A+P18B+P18D+P18E+P18F)

(6) If (18F <> 00) and (P18A+P18B+P18C+P18D+P18E) >= P18F and
(P18A+P18B\+P18C+P18D) >= P18E and
(P18D>P18A) and (P18D>P18B) and (P18D>P18C)
then allocate P18D=52–(P18A+P18B+P18C+P18E+P18F)

CREATE A NEW VARIABLE P18-ACTIVITY STATUS AS FOLLOWS, WITH VALUES,

1 – Employed (P18A+P18B+P18C+P18D+P18E) >= P18F and
(P18A+P18B+P18C+P18D) >= P18E

2 – Unemployed (P18A+P18B+P18C+P18D+P18E) >= P18F and
P18E > (P18A+P18B+P18C+P18D)

3 – Not Active P18F > (P18A+P18B+P18C+P18D+P18E)

P21–Employment status and Sector

1. If P19 <> blank or P20 <> blank then,
   Check that P21-Eemployment status has values 1:6
   If not, allocate P21–Employment status to not reported (P21=9)
   MSG:"P21–Employment status missing/ invalid; correct to not reported"

2. If P19 = blank and P20 = blank then,
   Check that P21-Eemployment status is blank
   If not, allocate P21–Employment status to blank (P21=blank)
   MSG: "Correct P21–Employment status to blank"

3. If (P18A+P18B+P18C+P18D+P18E+P18F) <> 00 and
   (P18A+P18B+P18C+P18D+P18E) >= P18F and
   (P18A+P18B+P18C+P18D) >= P18E

   (a) If (P18A>=P18B) and (P18A>=P18C) and (P18A>=P18D) then P21=1:3
   If P21<>1:3 then allocate P21=3

   (b) If (P18B>P18A) and (P18B>=P18C) and (P18B>=P18D) then P21=4
   If P21<>4 then allocate P21=4

   (c) If (P18C>P18A) and (P18C>P18B) and (P18C>=P18D) then P21=5
   If P21<>5 then allocate P21=5

   (d) If (P18D>P18A) and (P18D>P18B) and (P18D>P18C) then P21=6
   If P21<>6 then allocate P21=6

4. If [(P18A+P18B+P18C+P18D+P18E+P18F)=00]
   Then allocate (P21=9)
   Msg: "Correct P21to Not reported based on P18"

5. If (P21=5) and (P19=1314, 1315)
   Then allocate (P19=1412)

Msg: “Correct P19 to Code 1412 based on P21=5 and P19=1314,1315”

6. If (P21=5) and (P19=1316)
   Then allocate (P19=8322)
   Msg: “Correct P19 to Code 8322 based on P21=5 and P19=1316”

7. If (Age<18) and (P21=1:2)
   Then allocate (P21=3)
   Msg: “Correct P21 to Code 3 based on Age”

8. If (P19=1110:1122) and (P21=4:6)
   Then allocate (P21=3)
   Msg: “Correct P21 to Code 3 based on P19”

9. If (P19=1130:1171) and (P21=5:6)
   Then allocate (P21=3)
   Msg: “Correct P21 to Code 3 based on P19”

10. If (P19=1210:1239, 2110:2359, 2421:2447) and (P21=6)
    Then allocate (P21=3)
    Msg: “Correct P21 to Code 3 based on P19”

11. If (P19=0110) and (P21=2:6) and (Age>18)
    Then allocate (P21=1)
    Msg: “Correct P19 to Code 1 based on P19 and age”

12. If (P19=0110) and (P21=2:6) and (Age<18)
    Then allocate (P19=0000)
    Msg: “Correct P19 to Code 0000 based on P21 and age”

P22–Principal non economic activity

1 . If (P18F>00) check that P22 has values 1: 6

(a) If (P22<>1:6) and if (P15=2:5) and (Age<16) then allocate P22=1.
MSG: “If studying, correct P22 to ‘student’ “

(b) If (P22<>1:6) then allocate P22 to not reported (P22=9)
MSG: “Corrected P22 to not reported”

2. If (P18A+P18B+P18C+P18D)=52 then (P19<>bllank) and (P20<>blank) and (P21<>blank) and (P22=blank)
   If (P22<>blank) then allocate P22=blank
   MSG: “If P18A to P18D is 52 then corrected P22 to blank”

3 .If (P18F=00) then (P22=Blank)

If (P18F=00) and (P22<>Blank)
Then, allocate (P22=Blank)
Msg: "Correct P22 to Blank based on P18F"

4.. If [(P18A+P18B+P18C+P18D+P18E+P18F)=00]
Then allocate (P22=9)
Msg: "Correct P22 to Not reported based on P18"

5. If (P18F=01:52) and (P22=5)

(a) If (P15=2:5)
Then allocate (P22=1)
Msg"P22 changed to Code 1 based ob P15"

(b) If (P15<>2:5) and (P14=1)
Then allocate (P22=4)
Msg"P22 changed to Code 4 based ob P15 and P14"

(c) If (P15<>2:5) and (P14<>1) and ((Age>14) and (Age<70))
Then allocate (P22=6)
Msg"P22 changed to Code 6 based ob P15, P14 and Age"

(d) If (P15<>2:5) and (P14<>1) and (Age>69)
Then allocate (P22=4)
Msg"P22 changed to Code 4 based ob P15, P14 and Age"

EDITS ON FERTILITY INFORMATION (P23, P24 and P25)

AT THIS POINT PROCESSING SHOULD TERMINATE FOR ALL MALES (P4=1), ALL UNMARRIED FEMALES [(P4=2) and (P6=1)] AND EVER MARRIED FEMALES UNDER 15 YEARS [(P4=2) and (P6=2:8) and (Age<15)]

If (P4=1) or [((P4=2) and (P6=1)] or [(P4=2) and (P6=2:8) and (Age<15)]
Check that P23, P24 and P25 should be blank
MSG: "Fertility information should not be present"
If not blank,
Then allocate P23 to P25 blank
MSG: "Males and unmarried females and married females < 15 years: P23 to P25 set to blank"

1. If P23 = 00, then P24 and P25 should be blank.
MSG: "No live births; P24 and P25 should be blank"
(a) If (P23<>01:18), and (P24 = 01:18) and (P25Y = 1910:2001)
Then allocate, (P23 = P24)
MSG: "Corrected P23 based on P24"

(b) If (P23<>00:18) and (P24<>01:18) and (P25Y=1910:2001)
Then allocate, (P23=99) and (P24=99)
MSG: " Corrected P23 and P24 to Not Reported"

(c) If (P23<>00:18) and (P24<>01:18) and (P25Y<>1910:2001),
Then allocate, (P23=99) and (P24=99) and (P25Y=9999)
MSG: "Corrected P23 to P25 to 'Not reported'"

(d) If (P23=00) and (P24<>01:18) and (P25Y<>1910:2001)
Then allocate, (P24=blank) and (P25Y=blank)
MSG: "Corrected P24 and P25 to Blank based on P23"

(e) If (P23=00) and (P24=00:18) and (P25Y<>1910:2001)
Then allocate, (P24=Blank) and (P25Y=Blank)
MSG: "Corrected P24 and P25 to Blank based on P23"

(f) If (P23=00) and (P24<>01:18) and (P25Y=1910:2001)
Then allocate, (P23=99) and (P24=99)
MSG: "Correct P23 and P24 to Not Reported based onP25"

(g) If (P23<>00:18) and (P24=01:18) and (P25Y<>1910:2001)
Then allocate, (P23=P24) and (P25Y=9999)
MSG: "Correct P23 and P25 based on P24"

2. If (P5Y > 1981) and (P5Y < 1987) then (P23 < 6)
If (P23 > 5) then allocate (P23 = 5)
MSG: "(P5Y>1981 and P5Y<1987) then corrected no. of clidren to 5 "

3. If (P23=01:18) then (P23>=P24)
If (P23<P24), Then allocate (P23=P24)
MSG: "P23 should be greater than or equal to P24"

4. If (P24=01:18) then ((P24<=P23)
If (P24>P23), Then allocate (P23=P24)
MSG: "P24 should be less than to P23"

5. If (P23=01:18), then (P25Y=1910:2001)
If (P25Y<>1910:2001)
Msg: "Last reported birth should be 1910:2001"

(a) If (P25Y=1901:2001) then (P25M=01:12,88)
If (P25M<>01:12,88), Then allocate (P25M=blank)

MSG: “Corrected P25M to Blank based on P25Y”

(b) If (P25Y=9999), Then allocate (P25M=99)
MSG: “Corrected P25M to Not Reported based on P25Y”

(c) If (P25Y=blank), Then allocate (P25M=blank)
MSG: “Corrected P25M to Blank based on P25Y”

6. Check that at the date of last live birth (P25y), and mother’s age difference Not less than 12 years
MSG: “Age of mother at least 12 years at last reported birth”

If age difference is less than 12 years { (P25Y – P05Y) < 12 },
Then allocate P25Y = P05Y+12
MSG: “Correct reported year of last birth”

Housing Information

Edits on Unit Information (Record)

FOLLOWING EDIT CHECKS SHOULD BE DONE ONLY FOR HOUSING UNITS (A10=1), COLLECTIVE LIVING QUARTERS (A10=2) AND INSTITUTIONS (A10=3)

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1. If the unit is a Non housing unit (A10=4) or Homeless (A10=5) or Out-door enumeration (A10=6), check is there a **Unit** record.
If unit information record is present, then delete the record.
MSG: “(A10=4:6) then, UNIT record deleted”

2. (a) If the unit is a Housing unit (A10=1) or Collective living quarter (A10=2) or Institution (A10=3) then check is there a unit information record.
If (A10=1:3) but unit record missing,
MSG: “(A10=1:3) but Unit record missing”

(b) If the unit is a Collective Living Quarter (A10=2) or Institution (A10=3) then, H4 to H9 should be blank.
If (A10=2:3) but (H4 to H9 are not blank

Then Correct H4 to H9 are blank.
MSG: "Unit is a collective or institution; correct H4 to H9 are blank"

3. If there is more than one **unit record** for one unit,
   Process only the first record and delete the others.

H1-Occupancy Status

1. In the unit at least one population record exist with (P0=1:2) then check that H01-occupancy status is occupied (code 1).
   If (H1<>1), then allocate (H1=1)
   MSG: "Change unit to occupied (H1=1)".

2. In the unit there are no population record exist with (P0=1:2) then check that H01-occupancy status is Vacant (code 2).
   If (H1<>2), then allocate (H1=2)
   MSG: "Change unit to Vacant (H1=2)".

H2-Number of Households in the Unit

1. If (H1=1) then (H2=1:9)
   If (H2<>1:9) then allocate (H2=A11) (Take this from last schedule of the population record entered in that unit.
   MSG: "Correct no. of households based on A11"

2. If (H1=2) then (H2=balnk)
   If (H2<>blank) then correct H2 to blank (H2=blank)
   Msg: ": Correct H2-No. of households to blank based on H1"

H3 – Number of Persons Usually Living in the Unit

1. If (H1=1) and (H2=1:9) then (H3=No. of persons recorded in the unit and code 1 or 2 of P0)
   If H3<>No. of persons recorded in the unit and code 1 or 2 of question P0
   Then allocate, H3=No. of persons recorded in the unit code 1or 2 of question P0.
   MSG: "Correct H3=No. of persons based on enumerated population"

2. If (H1=1) then (H3>=H2)
   If (H3<H2), then correct (H3=H2)
   Msg: "Correct H3 based on H2"

3. If (H1=2) and (H2=blank) then (H3=blank)
   If (H3<>blank) then correct H3 to blank .
   MSG: "Correct H3-No. of persons to blank based on H1"

FOLLOWING EDIT CHECKS SHOULD BE DONE ONLY FOR OCCUPIED HOUSING UNITS [(A10=1) and (H1=1)]

H4 – Type of Construction Materials

1. (a) Check that H4 A (wall) has values 1:8
   If not, allocate H4A=9 (not reported).
   MSG: "Correct H4A-Wall to not reported".

   (b) Check that H4B (floor) has value 1:6
   If not, allocate H4B=9 (not reported)
   MSG: "Correct H4B–Floor to not reported"

   (c) Check that H4C (Roof) has values 1:6
   If not, allocate H4C=9 (not reported)
   MSG: "Correct H4C–Roof to not reported"

2. If H4A=5 (Mud) or H4A=6 (cadjan/palmyrah) or H4A=7 (Plank/Metal.sheet) and H4C=5 (Cadjan/Palmyrah/Straw) then,
   H4 B < > 2 (Terrazzo/tile/granite)
   If not, allocate H4 B=1 (cement)
   MSG: "Material of floor changed to cement"

3. If H4A=5:8 then, H4B<>2 .
   If H4B=2, Then allocate H4B=1 (Cement)
   MSG: "Material of floor changed to cement"

4. If H4A=4:8 then, H4C<>3.
   If H4C=3, Then allocate H4C=4 (Metal Sheet)
   MSG: "Material of roof changed to Metal Sheet"

5. If H4A=6 then, H4C<>1:3.
   If H4C=1:3, Then allocate H4C=4 (Metal Sheet)
   MSG: "Material of roof changed to Metal Sheet"

6. If H5=3 (flat) then, H4A–wall can not be mud or cadjan/palmyrah or Plank, Metal.sheet (H4 A < > 5, 6, 7).
   If not, allocate H4A=1 (Brick)
   MSG: "Material of wall changed tobrick"

7. If H5=3 (flat) then, H4B–floor can not be mud or wood or sand (H4B< >3, 4,5).
   If not, allocate H4B=1 (cement)
   MSG: "Material of floor changed to cement"

8. If H5=3 (Flat) then H4C–Roof can not be cadjan/palmyrah/straw or metal sheet (H4C < > 4, or 5)
   If not, allocate H4C=3 (concrete)
   MSG: "Material of roof changed to concrete"

H5 – Type of structure

(1) Check that H5–Type of structure has values 1: 6.
If not allocate 9 (not reported).
MSG: "Type of structure changed to not reported".

(2) If (A5 = 3) then (H5 <> 3)
If (H5 = 3) then allocate (H5 = 4)
MSG: "Type of structure changed to row house".

H6 – Year of Construction

Check that H6–Year of construction has values 01:12
If not, allocate not reported (99).
MSG: "Allocate year of construction equal to not reported"

H7 – Unit Usage

Check that H7–Unit usage has values 1:2
If not, allocate residential only (code 1)
MSG: "Unit usage change to residential only"

H8-Rooms and H9–No. of rooms

If H8=blank, Then allocate H8=1

If H9A=blank, then allocate H9A=0
If H9B=blank, then allocate H9B=0
If H9C=blank, then allocate H9C=0
If H9D=blank, then allocate H9D=0
If H9E=blank, then allocate H9E=0

Create a two-digit variable (H9T) for calculate Total No. of rooms in the unit.

1. If H8=1, then H9T=01 + H9A + H9B + H9C + H9D + H9E

   (a) If (H9T=01) or (H9T=02)
   Then allocate (H9A=blank) and (H9B=blank) and (H9C=blank) and

(H9D=blank) and (H9E=blank) and (H9T=01)

(b) If (H9T>2)
Then allocate (H8=2).

2. If H8=2 then H9T=H9A + H9B + H9C + H9D + H9E
If H9T<02
Then allocate (H8=1) and (H9A=blank) and (H9B=blank) and (H9C=blank) and (H9D=blank) and (H9E=blank) and (H9T=01)
MSG: "H8 changed to single room structure"

Edits on Household Information (Record)

(1) If (A10=1) and (H1=1) then each household in that unit should have a HOUSEHOLD record.
If household record missing
MSG: "(A10=1) and (H1=1) but household record missing"

(2) If [(A10=1) and (H1=2)] or (A10=2:6) and household record present
Then delete the household record
Msg: "[(A10=1) and (H1=2)] or (A10=2:6) delete the household record"

(3) If the unit is a occupied housing unit (A10=1 and H1=1), then Number of Household records in the questionnaire are equal to the Number of households in the H2 of the Unit record.
If not equal then allocate, H2=No. of Household records
Msg: 'Correct H2=No of Household records'

H10–No. of Persons in the Household

Check that H10-No. of persons in the Household and No. of persons recorded in the Household are equal
If not equal, then allocate H10 = No. of persons found in the household (Code 1 and Code 2 in question P0).
MSG: "Correct no. of persons in the household(H10) based on enumerated population[a].

H11–Toilet facilities and H12–Type of toilet

Check that H11-Toilet facilities has values 1:5
If not, allocate H11 to not reported (H11=9)

1. If H11=1 or H11=2 or H11=3 or H11=4, check that H12 has values 1:5

If not, allocate H12= 9 (not reported)
MSG: "Correct H12 to not reported"

2. If H11=5, then H12 = blank.
   If H12<>blank then allocate H11=1
   MSG: "Correct H11 to exclusive toilet facility"

3. If H5=3 (flat) then, H11=1 or 2 or 4
   If not, allocate H11=1
   MSG: "Correct H11 to exclusive toilet facilities if flat"

4. If H5=3 (Flat) then, H12 = 1
   If not, allocate H12=1
   MSG: "Correct H12 : water seal toilet facilities if flat"

5. If (H11=9) and (H12=1:5)
   Then, allocate (H11=1)
   MSG: "Correct H11 to exclusive toilet facilities based on H11"

6. If (H11=9) and (H12=Blank)
   Then, allocate (H12=9)
   MSG: "Correct H12 to Not Reported based on H11"

H13 – Source of Drinking water

1. Check that H13–Source of Drinking water has values 1:9
   If not, allocate H13 to 0 (not reported)
   MSG: "Allocate H13 to not reported"

2. If H5=3 (Flat) then, H13<>1:4 or 7:9
   If not, allocate H13=6
   MSG: "Correct H13 : Main line tap water facilities if flat"

H14 – Principal Type of lighting

1. Check that P14–Principal type of lighting has values 1:4
   If not, allocate H14= 9 (not reported)
   MSG: "Change H14 to not reported"
2. If H5=3 (flat) then H14 < > 1
   If not, allocate H14 =2 (Electricity)
   MSG: "Change H14 to electricity if flat"

H15 – Principal type of cooking fuel

1. Check that P15-Principal type of cooking fuel has values 1:6
   If not, allocate H15=9 (not reported)

MSG: “Correct H15, cooking fuel to not reported”

2. If H15=4 (Electricity) then H14=2 (Electricity)
   If not, allocate H15=6 (other)
   MSG: “Correct H15-Cooking fuel to other”

H16 – Tenure

Check that H16 – Tenure has values 1:5,
If not, allocate H16=9 (not reported)
MSG: “Allocate H16-Tenure to not reported”

Census of Population and Housing, 2001

Derrived new variables for tabulation population and housing data

Population;

New Variable ; **AGE-Age**

If P05Y = 1880 : 2001 and P05M = 01 : 12

$$\text{Then , Age (Integer value)} = \frac{(2001*12 + 07) - (P05Y*12 + P05M)}{12}$$

If P05Y = 1880 : 2001 and P05M <> 01 : 12

$$\text{Then , Age (Integer value)} = \frac{(2001*12 + 07) - (P05Y*12 + 07)}{12}$$

New Variable ; **P17-Literacy**

If (P17-Sinhala Read and Write = 1) or (P17-Tamil Read and Write = 1) or (P17-English Read and Write = 1) then, P17 = 1 (Litterate)

If (P17-Sinhala Read and Write = 2) and (P17-Tamil Read and Write = 2) and (P17-English Read and Write = 2) then, P17 = 2 (Illliterate)

New Variable ; **P18-Activity Status**

If (P18A + P18B + P18C + P18D + P18E) >= P18F and (P18A + P18B + P18C + P18D) >= P18E
Then, P18 = 1 (Employed)

If (P18A + P18B + P18C + P18D + P18E) >= P18F and (P18A + P18B + P18C + P18D) < P18E
Then, P18 = 2 (Unemployed)

If (P18A + P18B + P18C + P18D + P18E) < P18F
Then, P18 = 3 (Not Active)

If (P18A + P18B + P18C + P18D + P18E + P18F) = 00
Then, P18 = 9 (Not Reported)

HOUSING ;

New Variable ; **NEWH04 – Type of Housing Unit**

If[(H4A=1) or (H4A=2) or (H4A=3) or (H4A=4)]
and
[(H4B=1) or (H4B=2) or (H4B=4)]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4)]
Then, NEWH04 = 1(Permanent)

If[(H4A=1) or (H4A=2) or (H4A=3) or (H4A=4)]
and
[(H4B=1) or (H4B=2) or (H4B=4) or (H4B=6) or (H4B=9]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4)]
Then, NEWH04 = 1(Permanent)

If[(H4A=1) or (H4A=2) or (H4A=3) or (H4A=4)]
and

[(H4B=1) or (H4B=2) or (H4B=4)]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4) or (H4C=6) or (H4C=9)]
Then, NEWH04 = 1(Permanent)

If [(H4A=1) or (H4A=2) or (H4A=3) or (H4A=4) (H4A=5) or (H4A=6) or (H4A=7) or (H4A=8) or (H4A=9)]
and
[(H4B=1) or (H4B=2) or (H4B=3) or (H4B=4) or (H4B=5) or (H4B=6) or (H4B=9)]
and
[(H4C=5) or (H4C=6) or (H4C=9)]
Then, NEWH04 = 2 (Semi Permanent)

If [(H4A=1) or (H4A=2) or (H4A=3) or (H4A=4) (H4A=5) or (H4A=6) or (H4A=7) or (H4A=8) or (H4A=9)]
and
[(H4B=3) or (H4B=5) or (H4B=6)]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4) or (H4C=5) or (H4C=6) or (H4C=9)]
Then, NEWH04 = 2 (Semi Permanent)

If[(H4A=5) or (H4A=6) or (H4A=7) or (H4A=8) or (H4A=9)]
and
[(H4B=1) or (H4B=2) or (H4B=3) or (H4B=4) or (H4B=5)]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4) or (H4C=5)]
Then, NEWH04 = 2 (Semi Permanent)

If[(H4A=5) or (H4A=6) or (H4A=7) or (H4A=8)]
and
[(H4B=1) or (H4B=2) or (H4B=3) or (H4B=4) or (H4B=5) or (H4B=6) or (H4B=9)]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4) or (H4C=5)]
Then, NEWH04 = 2 (Semi Permanent)

If[(H4A=5) or (H4A=6) or (H4A=7) or (H4A=8)]
and
[(H4B=1) or (H4B=2) or (H4B=3) or (H4B=4) or (H4B=5)]
and
[(H4C=1) or (H4C=2) or (H4C=3) or (H4C=4) or (H4C=5) or (H4C=6) or (H4C=9)]

Then, NEWH04 = 2 (Semi Permanent)

If (H4A=1:4) and (H4B=9) and (H4C=9)
Then, NEWH04 = 2 (Semi Permanent)

If (H4A=9) and (H4B=1:4) and (H4C=9)
Then, NEWH04 = 2 (Semi Permanent)

If (H4A=9) and (H4B=9) and (H4C=1:4)
Then, NEWH04 = 2 (Semi Permanent)

If[(H4A=6) or (H4A=7) or (H4A=8)]
and
[(H4B=3) or (H4B=5) or (H4B=6)]
and
[(H4C=5)]
Then, NEWH04 = 3 (Improvised)

If[(H4A=6) or (H4A=7) or (H4A=8)]
and
[(H4B=3) or (H4B=5)]
and
[(H4C=5) or (H4C=6)]
Then, NEWH04 = 3 (Improvised)
If[(H4A=6) or (H4A=7)]
and
[(H4B=3) or (H4B=5) or (H4B=6)]
and
[(H4C=5) or (H4C=6)]
Then, NEWH04 = 3 (Improvised)

If (H4A=5:8) and (H4B=9) and (H4C=9)
Then, NEWH04 = 3 (Improvised)

If (H4A=9) and (H4B=5:6) and (H4C=9)
Then, NEWH04 = 3 (Improvised)

If (H4A=9) and (H4B=9) and (H4C=5:6)
Then, NEWH04 = 3 (Improvised)

If (H04A=9) and (H04B=9) and (H04C=9) , Then NEWH04=9 (Not Classified)

New Variable ; **NEWH09 – Number of Rooms**

(a) If H8 = 1 Then, allocate H9T = 01

(b) If H8 = 2 Then, allocate H9T = H9A + H9B + H9C + H9D +H9E