Survey
Solutions

# Kiribati Population Census 2020

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

## 0. IDENTIFYING FIELDS
No sub-sections, No rosters, Questions: 2.

## 1. GEOGRAPHICAL ID
No sub-sections, No rosters, Questions: 7, Static texts: 1.

## 2. PERSON ROSTER: ALL INDIVIDUALS
No sub-sections, Rosters: 1, Questions: 30, Static texts: 1, Variables: 1.

## 3. MODULE D: EDUCATION, LANGUAGES AND LITERACY
Sub-sections: 2, Rosters: 1, Questions: 9.

## 4. MODULE E: ECONOMIC ACTIVITY LAST WEEK
No sub-sections, Rosters: 1, Questions: 23.

## 5. MODULE F: FUNCTIONING CHALLENGES & SOCIAL BEHAVIOUR
No sub-sections, Rosters: 1, Questions: 11, Static texts: 2.

## 6. MODULE G: FERTILITY AND MORTALITY (WOMEN AGED 15+)
Sub-sections: 3, Rosters: 1, Questions: 17, Static texts: 1.

## 7. MODULE H: COMMUNICATIONS AND INTERNET
No sub-sections, Rosters: 1, Questions: 6.

## 8. MODULE I : HOUSING
Sub-sections: 3, No rosters, Questions: 64, Static texts: 1.

## 9. MODULE J: AGRICULTURE, FISHING, HANDICRAFT, FOOD STOCK & TOURISM
Sub-sections: 3, No rosters, Questions: 43, Static texts: 1.

## MODULE K: ENVIRONMENT
No sub-sections, No rosters, Questions: 5.

## 10. GPS + PHOTO
No sub-sections, No rosters, Questions: 2.

## APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

## APPENDIX B — INSTRUCTIONS

## APPENDIX C — CATEGORIES

LEGEND

# SURVEY IDENTIFICATION INFORMATION
# QUESTIONNAIRE DESCRIPTION

## Basic information

| | |
|---:|:---|
| *Title* | Kiribati Population Census 2020 |
| *Version identificator* | KIR_POPCENSUS_2020_version1 |

## Survey data information

| | |
|---:|:---|
| *Study type* | Population and Housing Census |
| *Kind of data* | Census/enumeration data [cen] |
| *Mode of Data Collection* | CAPI |

## Survey information

| | |
|---:|:---|
| *Country* | Kiribati |
| *Year* | 2020 |
| *Languages* | English |
| *Unit of analysis* | Household, Institutions, Persons |
| *Coverage* | Full coverage of the country |
| *Universe* | Households, Institutions, de-facto household members |
| *Primary Investigator* | Kiribati National Statistics Office |
| *Consultants* | UNFPA, SPC |
| *Funding* | Kiribati Government, UNFPA |

# 0. IDENTIFYING FIELDS

| | |
|---|---|
| **IF1. What is the occupancy status of the dwelling?**<br><br>I  For option 2 & 3, you will need to revisit the dwelling for 2-3 times to confirm if there is no appropriate respondent or they refused to be interviewed. You may need your Supervisor to assist you on<br>[And 113 other symbols [1]](#) | SINGLE-SELECT             `occupancy`<br>SCOPE: IDENTIFYING<br><br>01 ◯ Occupied - respondent agreed to be interviewed<br>02 ◯ Occupied - there is no appropriate respondent available<br>03 ◯ Occupied - respondent refused<br>04 ◯ Vacant - occupants are away for a long time<br>05 ◯ Vacant - building demolished<br>06 ◯ Vacant - building dilapidated / no longer livable<br>07 ◯ Vacant - building under construction / major modifications |
| **IF2. Please record the name of the Dwelling or Institution**<br><br>I  For Private Dwellings, please type the name of the Head of household. For Institution, type in the name of the institution. Type 'Vacant' if the dwelling is vacant. | TEXT             `dwelling_name`<br>SCOPE: IDENTIFYING<br><br>∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙∙ |

# 1. GEOGRAPHICAL ID

| ID1. Please enter the ISLAND | SINGLE-SELECT      island |
|---|---|
| | 01 ◯ Banaba |
| | 02 ◯ Makin |
| | 03 ◯ Butaritari |
| | 04 ◯ Marakei |
| | 05 ◯ Abaiang |
| | 06 ◯ North Tarawa |
| | 07 ◯ South Tarawa |
| | 08 ◯ Maiana |
| | 09 ◯ Abemama |
| | 10 ◯ Kuria |
| | 11 ◯ Aranuka |
| | 12 ◯ Nonouti |
| | 13 ◯ North Tabiteuea |
| | 14 ◯ South Tabiteuea |
| | 15 ◯ Beru |
| | 16 ◯ Nikunau |
| | |
| | And 7 other symbols [1] |
| ID2. Please select VILLAGE | SINGLE-SELECT: CASCADING      village |
| | 0101 ◯ 101 - Tabewa |
| | 0102 ◯ 102 - Antereen |
| | 0103 ◯ 103 - Uma |
| | 0201 ◯ 201 - Makin |
| | 0202 ◯ 202 - Kiebu |
| | 0301 ◯ 301 - Kuma |
| | 0302 ◯ 302 - Keuea |
| | 0303 ◯ 303 - Tanimainiku |
| | 0304 ◯ 304 - Tanimaiaki |
| | 0305 ◯ 305 - Tabonuea |
| | 0306 ◯ 306 - Antekana |
| | 0307 ◯ 307 - Taubukinmeang |
| | 0308 ◯ 308 - Temanokunuea |
| | 0309 ◯ 309 - Onomaru |
| | 0310 ◯ 310 - Ukiangang |
| | 0311 ◯ 311 - Bikaati |
| | |
| | And 167 other symbols [2] |

| ID3. Please enter the EA No. | SINGLE-SELECT: CASCADING ea_number |
| --- | --- |
| | 010100100 ◯ 10100100 |
| | 010200201 ◯ 10200201 |
| | 010200202 ◯ 10200202 |
| | 010300301 ◯ 10300301 |
| | 010300302 ◯ 10300302 |
| | 020100111 ◯ 20100111 |
| | 020100112 ◯ 20100112 |
| | 020100113 ◯ 20100113 |
| | 020100121 ◯ 20100121 |
| | 020100122 ◯ 20100122 |
| | 020100131 ◯ 20100131 |
| | 020100132 ◯ 20100132 |
| | 020200201 ◯ 20200201 |
| | 020200202 ◯ 20200202 |
| | 030100101 ◯ 30100101 |
| | 030100102 ◯ 30100102 |
| | And 501 other symbols [3] |

STATIC TEXT

*DWELLING TYPE*

| ID4. What type of dwelling is this? | SINGLE-SELECT dwelling_type |
| --- | --- |
| | 01 ◯ Single housing unit (Private household) |
| | 02 ◯ School |
| | 03 ◯ Prison |
| | 04 ◯ Ships |
| | 05 ◯ Hospital |
| | 06 ◯ Hotel / Motel |
| | 07 ◯ Maneaba |
| | 08 ◯ Other institutions (specify) |
| ID4_oth. Please describe what is this other type of institution? <br><br> E dwelling_type==8 | TEXT dwelling_other <br><br> ---------------------------------------------- |
| ID5. What housing type does this dwelling belong to? <br><br> E dwelling_type==1 | SINGLE-SELECT housing_type <br> 01 ◯ Government housing <br> 02 ◯ Private household <br> 03 ◯ Local government <br> 04 ◯ Other housing (specify) |
| ID5_oth. Please describe what is this other type of housing? <br><br> E housing_type==4 | TEXT housing_other <br><br> ---------------------------------------------- |

# 2. PERSON ROSTER: ALL INDIVIDUALS

E  occupancy==1

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**P1. Please list the FULL NAMES of all persons living in this household/institution during Census Night?**

I  Please give me the full names (first name then surname) of each person who was sleeping here the night of 7th November 2020, including visitors and all persons staying here who have no other home. Do And 428 other symbols [2]

LIST             member_list

···········································································■

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2. PERSON ROSTER: ALL INDIVIDUALS

## Roster: PERSON
generated by list question `member_list`

person_roster

E  occupancy==1

---

**P2. What is %rostertitle%'s sex?**

SINGLE-SELECT            sex

01 ◯ Male
02 ◯ Female

---

VARIABLE
`sex==1 ? "his" : "her"`

STRING            hisHer

---

**P3a. What is %rostertitle%'s DAY of birth?**

I  Range is between 1-31. Select "Don't know" if day is unknown
V1  `day_dob.InRange(1,31) || day_dob==99`
M1  invalid day entered - should be between 1-31

NUMERIC: INTEGER            day_dob

SPECIAL VALUES
99  Don't know

---

**P3b. What is %rostertitle%'s MONTH of birth?**

V1  `(self.InList(1,3,5,7,8,10,12) && day_dob.InRange(1,31)) || (self.InList(4,6,9,11) && day_dob.InRange(1,30)) || (self==2 && day_dob.InRange(1,29)) || (self==99 && (day_dob.InRange(1,31) || day_dob==99)` And 64 other symbols [1]
M1  Day is inconsistent with month ...please check !!!

SINGLE-SELECT            month_dob

01 ◯ January
02 ◯ February
03 ◯ March
04 ◯ April
05 ◯ May
06 ◯ June
07 ◯ July
08 ◯ August
09 ◯ September
10 ◯ October
11 ◯ November
12 ◯ December
99 ◯ Don't know

---

**P3c. What is %rostertitle%'s YEAR of birth?**

I  Note: Year should be in the format YYYY (4-digit from 1910-2020).
V1  `year_dob.InRange(1910,2020)`
M1  invalid year entered - should be between 1910-2020
V2  `!(month_dob==12 && self==2020) && !(day_dob>=8 && month_dob==11 && self==2020)`
M2  This date is after the Census Night date (07November2020)... please re-enter?

NUMERIC: INTEGER            year_dob

| | |
|---|---|
| **P3d. What is %rostertitle%'s age, in completed years?** | NUMERIC: INTEGER        `age` |

I   Age in completed years. Enter 0 for child under 1 year of age. Age range is 0-110. Note that there is a check on the age against the Census Night date - November 7th, 2020. Anyone born after 7th No
And 254 other symbols [3]

V1   `self.InRange(0,110)`

M1   Age must be between 0 and 110

V2   `((self == 2020 - year_dob) && ((year_dob<=2019 && month_dob.InRange(1,10)) || (year_dob<=2019 && month_dob==11 && day_dob<=7) || (year_dob==2020))) || ((self == 2020 - year_dob - 1) && ((year_dob<=` And 139 other symbols [2]

M2   Age (day, month and year of birth) is inconsistent to the Census Night date - November 7th, 2020

---

**P4. What is the relationship of %rostertitle% to HH head?**

SINGLE-SELECT       `relat`

- 01 ○ Head
- 02 ○ Spouse
- 04 ○ Biological son/daughter
- 05 ○ Adopted son/daughter
- 06 ○ Son in law/daughter in law
- 07 ○ Brother/Sister
- 08 ○ Grandchild
- 09 ○ Nephew/niece
- 10 ○ Parents of head
- 11 ○ Parents of spouse
- 12 ○ Stepson/stepdaughter
- 13 ○ Other relatives
- 14 ○ No relation

E   `dwelling_type==1 && occupancy==1`

V1   `!(relat == 1 && age < 15)`

M1   Age of Head of household should be 15 and above

V2   `!(relat == 2 && age < 15) && ((person_roster.Count(x=>x.relat==2)<=1))`

M2   Spouse of household is under 15 OR there are more than one spouse in the household

V3   `relat==1? (person_roster.Count(x=>x.relat==1)==1) :true`

M3   There must be only ONE head in the household. Please check?

V4   `!((person_roster.Count(x=>(x.relat==1 && (x.age - age < 15))) > 0) && relat == 4)`

M4   Warning: Age difference between child and head is inconsistent

V5   `relat==1 && person_roster.Any(x=>x.relat==2) ? !( person_roster.Any(a=>a.relat==2 && a.sex!=null && a.sex==sex)) : true`

M5   Warning: Head and spouse cannot have same sex. Please confirm?

V6   `!((person_roster.Count(x=>(x.relat==1 && (x.age - age < 30))) > 0) && relat == 8)`

M6   Warning: Age difference between head and grandchild is less than 30 years.

W7   `!((person_roster.Count(x=>(x.relat==1 && (age - x.age < 15))) > 0) && relat == 10)`

M7   Warning: Age difference is inconsistent between head and parents

V8   `!((person_roster.Count(x=>(x.relat==2 && (age - x.age < 15))) > 0) && relat == 11)`

M8   Warning: Age difference is inconsistent between spouse and parents

V9   `!(@rowcode == 1 && self != 1 && dwelling_type==1)`

M9   First person of private dwelling should always be the head

---

**P5. What is %rostertitle%'s ethinicity?**

SINGLE-SELECT       `ethnicity`

- 01 ○ I-Kiribati
- 02 ○ Kiribati/Mix
- 03 ○ Tuvaluan
- 04 ○ Chinese
- 05 ○ Australian
- 06 ○ Other ethnicity (specify)

---

**P5_oth. Describe other ethnicity**

TEXT       `other_ethnicity`

E   `ethnicity==6`

---

**P6. What is %rostertitle%'s citizenship?**

SINGLE-SELECT       `citizenship`

- 01 ○ Native-born citizen (I-Kiribati)
- 02 ○ Naturalized citizen
- 03 ○ Dual citizenship
- 04 ○ Tuvaluan
- 05 ○ Chinese
- 06 ○ Other (specify)

| P6_oth1. Describe other citizenship | TEXT | other_citizen |
| --- | --- | --- |
| E `citizenship==6` | | ......................................................... |

| P6_oth2. Describe other dual citizenship | TEXT | other_dualcitizen |
| --- | --- | --- |
| E `citizenship==3` | | ......................................................... |

## P7. What is %rostertitle%'s marital status?

E `age >= 15`
V1 `!(relat == 2 && (marital_status == 1 || self > 3))`
M1 This person is a SPOUSE so marital status should be 2 or 3
V2 `!((person_roster.Count(x=>(x.relat==1 && (x.marital_sta tus != marital_status))) > 0) && (marital_status==2 || marital_status==3)) || relat > 2 && marital_status >= 1`
M2 Spouse and Head should have same Marital Status - code 2 or 3.

SINGLE-SELECT — marital_status
- 01 ○ Never married
- 02 ○ Legally Married
- 03 ○ Traditional or consensual marriage (follow local custom)
- 04 ○ Widowed
- 05 ○ Separated
- 06 ○ Divorced

## P8. What is %rostertitle%'s religion?

SINGLE-SELECT — religion_affiliation
- 01 ○ Catholic
- 02 ○ Kiribati Protestant Church (KPC)
- 03 ○ Kiribati Uniting Church (KUC)
- 04 ○ The Church of Jesus Christ of Latter Day Saints (Mormon)
- 05 ○ Bahai
- 06 ○ Jehovah's Witness
- 07 ○ Seventh-day Adventist
- 08 ○ Assemblies of God
- 09 ○ All Nations
- 10 ○ No religion
- 11 ○ Other religion

## P8_oth. Describe the other religion

E `religion_affiliation==11`

TEXT — other_religion
.........................................................

## P9. What is %rostertitle%'s place of birth?

I Indicate the island or country where they were born
E `dwelling_type==1 && occupancy==1`

SINGLE-SELECT — birthplace
- 01 ○ Banaba
- 02 ○ Makin
- 03 ○ Butaritari
- 04 ○ Marakei
- 05 ○ Abaiang
- 06 ○ North Tarawa
- 07 ○ South Tarawa
- 08 ○ Maiana
- 09 ○ Abemama
- 10 ○ Kuria
- 11 ○ Aranuka
- 12 ○ Nonouti
- 13 ○ North Tabiteuea
- 14 ○ South Tabiteuea
- 15 ○ Beru
- 16 ○ Nikunau

And 8 other symbols [4]

| | |
|---|---|
| **P10.** Where we are now, is this %rostertitle%'s usual place of residence?<br><br>I  This question is referring to the place of interview - where they are now.<br>E  `dwelling_type==1 && occupancy==1` | SINGLE-SELECT        usual_residence<br><br>01 ◯ Yes<br>02 ◯ No |
| **P11.** How long has %rostertitle% lived here?<br><br>I  Enter number of years. Enter 0 if less than a year<br>E  `dwelling_type==1 && occupancy==1 && usual_residence==1`<br>V1  `self <= age`<br>M1  Number cannot be greater than the person's age !!! | NUMERIC: INTEGER        duration_stay<br><br>`- - - - - - - - - - - - - - - - - - - - - - - .` |
| **P12.** Has %rostertitle% lived previously in another place of residence?<br><br>E  `dwelling_type==1 && occupancy==1 && usual_residence==1 && duration_stay < age`<br>V1  `(duration_stay < age) && self==1`<br>M1  Duration of stay is less than your age, hence you have stayed in another place before. Cannot select 'No' here. | SINGLE-SELECT        previous_residence<br><br>01 ◯ Yes<br>02 ◯ No |
| **P13.** What was %rostertitle%'s previous place of residence?<br><br>F  `@optioncode != island`<br>E  `dwelling_type==1 && occupancy==1 && previous_residence==1` | SINGLE-SELECT        previous_place<br><br>01 ◯ Banaba<br>02 ◯ Makin<br>03 ◯ Butaritari<br>04 ◯ Marakei<br>05 ◯ Abaiang<br>06 ◯ North Tarawa<br>07 ◯ South Tarawa<br>08 ◯ Maiana<br>09 ◯ Abemama<br>10 ◯ Kuria<br>11 ◯ Aranuka<br>12 ◯ Nonouti<br>13 ◯ North Tabiteuea<br>14 ◯ South Tabiteuea<br>15 ◯ Beru<br>16 ◯ Nikunau<br><br>And 8 other symbols [5] |
| **P14.** Why did %rostertitle% move to this current place of residence?<br><br>E  `dwelling_type==1 && occupancy==1 && previous_residence==1` | SINGLE-SELECT        reason_move<br><br>01 ◯ Employment<br>02 ◯ Be with spouse<br>03 ◯ Child of employed<br>04 ◯ Other relative to employed person<br>05 ◯ Student - attending school or college<br>06 ◯ Missionary<br>07 ◯ Medical or health reasons<br>08 ◯ Visiting or vacation<br>09 ◯ Other (specify) |
| **P14_oth.** Describe other reason for moving?<br><br>E  `reason_move==9` | TEXT        other_reason_move<br><br>`................................................................` |

| | |
|---|---|
| P16. What is %rostertitle%'s usual place of Residence?<br><br>F @optioncode != island<br>E dwelling_type==1 && occupancy==1 && usual_residence==2 | SINGLE-SELECT      current_usual_residence<br>01 ○ Banaba<br>02 ○ Makin<br>03 ○ Butaritari<br>04 ○ Marakei<br>05 ○ Abaiang<br>06 ○ North Tarawa<br>07 ○ South Tarawa<br>08 ○ Maiana<br>09 ○ Abemama<br>10 ○ Kuria<br>11 ○ Aranuka<br>12 ○ Nonouti<br>13 ○ North Tabiteuea<br>14 ○ South Tabiteuea<br>15 ○ Beru<br>16 ○ Nikunau<br><br>And 8 other symbols [6] |
| P15. Where does %rostertitle% consider as %hisHer% home island?<br><br>E dwelling_type==1 && occupancy==1 | SINGLE-SELECT      home_island<br>01 ○ Banaba<br>02 ○ Makin<br>03 ○ Butaritari<br>04 ○ Marakei<br>05 ○ Abaiang<br>06 ○ North Tarawa<br>07 ○ South Tarawa<br>08 ○ Maiana<br>09 ○ Abemama<br>10 ○ Kuria<br>11 ○ Aranuka<br>12 ○ Nonouti<br>13 ○ North Tabiteuea<br>14 ○ South Tabiteuea<br>15 ○ Beru<br>16 ○ Nikunau<br><br>And 8 other symbols [7] |

| | | |
|---|---|---|
| P17. What was %rostertitle%'s place of residence during the last census of 2015?<br><br>E dwelling_type==1 && occupancy==1 && age>=5 | SINGLE-SELECT<br><br>01 ○ Banaba<br>02 ○ Makin<br>03 ○ Butaritari<br>04 ○ Marakei<br>05 ○ Abaiang<br>06 ○ North Tarawa<br>07 ○ South Tarawa<br>08 ○ Maiana<br>09 ○ Abemama<br>10 ○ Kuria<br>11 ○ Aranuka<br>12 ○ Nonouti<br>13 ○ North Tabiteuea<br>14 ○ South Tabiteuea<br>15 ○ Beru<br>16 ○ Nikunau<br><br>And 8 other symbols [8] | residence_2015 |
| P18. Is %rostertitle%'s biological mother in the household?<br><br>E dwelling_type==1 && occupancy==1 && (person_roster.Count (x=>(x.sex==2 && x.age>=15)) > 0) | SINGLE-SELECT<br><br>01 ○ Yes<br>02 ○ No | mother_in_hh |
| P19. Who is %rostertitle%'s biological mother? (select her from the list)<br><br>I Only women (excluding this person if female) aged 15 Years more tha n this person will be displayed in list. Select the correct biological moth er.<br>F sex == 2 && @current.@rowcode!=@rowcode && age >= (@current.ag e + 15)<br>E mother_in_hh == 1 | SINGLE-SELECT: LINKED | mother_listed |
| P20. Is %rostertitle%'s biological mother still living?<br><br>E mother_in_hh==2 | SINGLE-SELECT<br><br>01 ○ Yes<br>02 ○ No<br>03 ○ Don't know | mother_alive |
| P21. Is %rostertitle%'s biological father still living?<br><br>E dwelling_type==1 && occupancy==1 | SINGLE-SELECT<br><br>01 ○ Yes<br>02 ○ No<br>03 ○ Don't know | father_alive |

STATIC TEXT

*Birth Registration*

| | | |
|---|---|---|
| P22. Has %rostertitle%'s birth been registered in the civil registration?<br><br>E dwelling_type==1 && occupancy==1 | SINGLE-SELECT<br><br>01 ○ Yes<br>02 ○ No | birth_registration |

# 3. MODULE D: EDUCATION, LANGUAGES AND LITERACY

E `dwelling_type==1 && occupancy==1`

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3. MODULE D: EDUCATION, LANGUAGES AND LITERACY
## Roster: EDUCATION, LANGUAGES & LITERACY
generated by list question `member_list`

`rost_ell`

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3. MODULE D: EDUCATION, LANGUAGES AND LITERACY / EDUCATION, LANGUAGES & LITERACY
## EDUCATION

E `age >= 3`

---

| | |
|---|---|
| **D1.** Has %rostertitle% ever attended school or Pre School? | SINGLE-SELECT `ever_attended`<br>01 ○ Yes<br>02 ○ No<br>03 ○ Don't Know |

---

**D2.** What is the highest level of schooling %rostertitle% has attended?

E `ever_attended==1`
V1 `age<=5 && self==0 || age.InRange(5,12) && self<=1 || age.InRange(11,15) && self<=2 || age.InRange(14,19) && self<=3 || age > 15 && self<=4 || age > 17 && self==5 || age > 17`
M1 This person's age is %age% and is inconsistent with this level

SINGLE-SELECT `level_attended`
- 00 ○ Pre-school
- 01 ○ Primary school
- 02 ○ Junior secondary school (Form 1 - Form 3)
- 03 ○ Senior secondary school (Form 4 - Form 7)
- 04 ○ Post-Secondary (non-tertiary / vocational)
- 05 ○ Tertiary
- 06 ○ Other

---

**D3.** What is the highest grade %rostertitle% completed at this level?

E `ever_attended==1 && level_attended.InRange(0,5)`
V1 `!(level_attended == 0 && self > 3)`
M1 Level is Pre-school in D2 so grade completed should be Pre-school
V2 `!(level_attended == 1 && self < 3) && !(level_attended == 1 && self > 16)`
M2 Level is Primary in D2 so grade completed should be between Pre-school Year3 and Class 6
V3 `!(level_attended == 2 && self < 16) && !(level_attended == 2 && self > 23)`
M3 Level is Lower Secondary in D2 so grade completed should be between Class 6 - Form 3
V4 `!(level_attended == 3 && self < 23) && !(level_attended == 3 && self > 27)`
M4 Level is Higher Secondary in D2 so grade completed should be between Form 3 - Form 7
V5 `!(level_attended == 4 && self < 21) && !(level_attended == 4 && self > 33)`
M5 Level is Technical & vocational in D2 so grade completed should be between Form 1 and above
V6 `!(level_attended == 5 && self < 26)`
M6 Level is Tertiary in D2 so grade completed should be between Certificate and PhD

SINGLE-SELECT `grade_completed`
- 01 ○ Pre-school Year 1
- 02 ○ Pre-school Year 2
- 03 ○ Pre-school Year 3
- 11 ○ Class 1
- 12 ○ Class 2
- 13 ○ Class 3
- 14 ○ Class 4
- 15 ○ Class 5
- 16 ○ Class 6
- 21 ○ Form 1
- 22 ○ Form 2
- 23 ○ Form 3
- 24 ○ Form 4
- 25 ○ Form 5
- 26 ○ Form 6
- 27 ○ Form 7

[And 9 other symbols [9]](#)

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**D4.** During the current school year, did %rostertitle% attend school or preschool at any time?

E `ever_attended==1`

SINGLE-SELECT `current_attend`
- 01 ○ Yes
- 02 ○ No
- 03 ○ Don't Know

---

| D5. Which level is %rostertitle% attending during the current school year? | SINGLE-SELECT current_level |
| --- | --- |
| **E** `ever_attended==1 && current_attend==1` <br> **V1** `age<=5 && self==0 || age.InRange(5,12) && self==1 ||  age.InRange(11,15) && self==2 || age.InRange(14,19) && self==3 ||  age > 15 && self==4 || age > 17 && self==5` <br> **M1** This person's age is %age% and is inconsistent with this level | 00 ◯ Pre-school <br> 01 ◯ Primary school <br> 02 ◯ Junior secondary school (Form 1 - Form 3) <br> 03 ◯ Senior secondary school (Form 4 - Form 7) <br> 04 ◯ Post-Secondary (non-tertiary / vocational) <br> 05 ◯ Tertiary <br> 06 ◯ Other |

| D6. At this level, which grade is %rostertitle% attending during the current school year? | SINGLE-SELECT level_attending |
| --- | --- |
| **E** `ever_attended==1 && current_attend==1 && current_level.InRange(0,5)` <br> **V1** `!(self.InRange(1,3) && (age < 3 || age > 5))` <br> **M1** This person is %age% years old and is inconsistent with Pre-school age, which should be between 3-5. Change either the age or level of schooling <br> **V2** `!(self == 11 && (age < 5 || age > 7)) && !(self == 12 && (age < 6 || age > 8)) && !(self == 13 && (age < 7 || age > 9)) && !(self == 14 && (age < 8 || age > 10)) && !(self == 15 && (age < 9 || age > 1` And 46 other symbols [3] <br> **M2** This person is %age% years old and is inconsistent with this Primary Level. Change either the age or level of schooling <br> **V3** `!(self == 21 && (age < 11 || age > 13)) && !(self == 22 && (age < 12 || age > 14)) && !(self == 23 && (age < 13 || age > 15)) && !(self == 24 && (age < 14 || age > 16)) && !(self == 25 && (age < 15 ||` And 98 other symbols [3] <br> **M3** This person is %age% years old and is inconsistent with this secondary school level. Please confirm !! <br> **V4** `!(self < grade_completed)` <br> **M4** Current level %current_level% cannot be lower than level completed %grade_completed% <br> **V5** `!(self.InRange(31,33) && (age < 16))` <br> **M5** This person is %age% years old and is inconsistent with this vocational level. Please confirm !! <br> **V6** `!(self == 41 && (age < 18)) && !(self == 42 && (age < 18)) && !(self == 43 && (age < 19)) && !(self == 44 && (age < 21)) && !(self == 45 && (age < 25))` <br> **M6** This person is %age% years old and is inconsistent with this tertiary level. Please confirm !! | 01 ◯ Pre-school Year 1 <br> 02 ◯ Pre-school Year 2 <br> 03 ◯ Pre-school Year 3 <br> 11 ◯ Class 1 <br> 12 ◯ Class 2 <br> 13 ◯ Class 3 <br> 14 ◯ Class 4 <br> 15 ◯ Class 5 <br> 16 ◯ Class 6 <br> 21 ◯ Form 1 <br> 22 ◯ Form 2 <br> 23 ◯ Form 3 <br> 24 ◯ Form 4 <br> 25 ◯ Form 5 <br> 26 ◯ Form 6 <br> 27 ◯ Form 7 <br><br> And 9 other symbols [10] |

3. MODULE D: EDUCATION, LANGUAGES AND LITERACY / EDUCATION, LANGUAGES & LITERACY
## LITERACY & LANGUAGE (AGES 12+)
**E** `age >= 12`

| D7. Does %rostertitle% have difficulty reading in any language? e.g. reading a newspaper, magazine, religious books, etc. | SINGLE-SELECT reading |
| --- | --- |
| | 01 ◯ No, no difficulty <br> 02 ◯ Yes, some difficulty <br> 03 ◯ Yes, a lot of difficulty <br> 04 ◯ Cannot do at all |

| D8. Does %rostertitle% have difficulty writing in any language? e.g. writing a letter, filling a form, etc. | SINGLE-SELECT writing |
| --- | --- |
| | 01 ◯ No no difficulty <br> 02 ◯ Yes, some difficulty <br> 03 ◯ Yes, a lot of difficulty <br> 04 ◯ Cannot do at all |

| D9. Does %rostertitle% speak English at home? | SINGLE-SELECT speak_official |
| --- | --- |
| | 01 ◯ Yes <br> 02 ◯ No |

# 4. MODULE E: ECONOMIC ACTIVITY LAST WEEK

E `dwelling_type==1 && occupancy==1`

---

4. MODULE E: ECONOMIC ACTIVITY LAST WEEK
## Roster: ECONOMIC ACTIVITY (15+)
generated by list question `member_list`                                     `roster_lf`

E `age>=15`

---

| E1. Which of the following best describes what %rostertitle% is MAINLY doing at present? | SINGLE-SELECT | `lf1` |
|---|---|---|
| | 01 ○ Working for someone else for pay | |
| | 02 ○ Working in own farming, raising animals or fishing | |
| | 03 ○ Working in any other kind of business activity | |
| | 04 ○ Household duties, chores | |
| | 05 ○ Studying | |
| | 06 ○ Doing an unpaid apprenticeship, internship | |
| | 07 ○ Doing unpaid voluntary, community, charity work | |
| | 08 ○ Looking for work | |
| | 09 ○ Retired or pensioner | |
| | 10 ○ With long-term illness, injury or disability | |

| E2. Are the farming, fishing or animal products that %rostertitle% is working on intended…?  E `lf1==2` | SINGLE-SELECT | `lf2` |
|---|---|---|
| | 01 ○ Only for sale | |
| | 02 ○ Mainly for sale | |
| | 03 ○ Mainly for family consumption | |
| | 04 ○ Only for family consumption | |

| E2b. What are the main (products/animals) that %rostertitle% (are/is) working on?  I WRITE MAIN GOODS –e.g. [maize, rice, cattle, sheep, fresh water fish] and avoid generic terms like 'crops'.  E `lf2.InList(3,4)` | TEXT | `lf2b` |
|---|---|---|

| E2c. Last week, how many hours did %rostertitle% spend working on this activity?  I Record hours in 0.5 hour intervals. Allowed 1 decimal places.  E `lf2.InList(3,4)`  V1 `self.InRange(1,85)`  M1 Hours worked should be between 1-85. Please confirm. | NUMERIC: INTEGER | `lf2c` |
|---|---|---|

| | |
|---|---|
| E3. Last week, did %rostertitle% ...?<br><br>E  `1f1.InRange(4,11) \|\| 1f2b.Length > 0 \|\| 1f2c>0` | SINGLE-SELECT        1f3<br><br>01 ◯ Do any other work to generate an income, including casual, part-time, odd jobs, making things to sell, offering services for pay]<br>02 ◯ Have a paid job or business activity, but was temporarily absent<br>03 ◯ Help without pay in a family business<br>04 ◯ Did not do any income generating activity, not even for one hour. |
| E4. In the last 4 weeks, did %rostertitle% look for a paid job or try to start a business?<br><br>E  `1f3==4` | SINGLE-SELECT        1f4<br><br>01 ◯ Yes<br>02 ◯ No |
| E4b. At present, does %rostertitle% want to work for pay or in your own business activity?<br><br>E  `1f4==2` | SINGLE-SELECT        1f4b<br><br>01 ◯ Yes<br>02 ◯ No |
| E5. If a job or business opportunity became available, could %rostertitle% start working within the next 2 weeks?<br><br>E  `1f4==1 \|\| (1f4==2 && 1f4b=1)` | SINGLE-SELECT        1f5<br><br>01 ◯ Yes<br>02 ◯ No |
| E6. What is %rostertitle% occupation title in %hisHer% main job/business?<br><br>I  Write the occupation title and main tasks and duties –e.g [Cattle farmer –breed, raise, sell cattle; Policeman –patrol the streets; Primary school teacher –teach children to read, write]<br>E  `1f1.InList(1,3) \|\| 1f2.InList(1,2) \|\| 1f3.InList(1,2,3)` | TEXT        1f6<br><br>........................................................................ |

| | |
|---|---|
| **E6a. Please search and code for the occupation (ISCO)** | SINGLE-SELECT: COMBO BOX      lf6a |
| I  Try one or two searches and if you cannot find a match code as "MISSING". | 1111  ○  Legislators |
| E  `lf6.Length > 0` | 1112  ○  Senior government officials Minister |
| | 1113  ○  Traditional chiefs and heads of village Kaupule |
| | 1114  ○  Senior officials of special-interest organizations Consulate |
| | 1120  ○  Managing directors and chief executives |
| | 1211  ○  Finance managers |
| | 1212  ○  Human resource managers |
| | 1213  ○  Policy and planning managers |
| | 1219  ○  Business services and administration managers not elsewhere classified |
| | 1221  ○  Sales and marketing managers |
| | 1222  ○  Advertising and public relations managers |
| | 1223  ○  Research and development managers |
| | 1311  ○  Agricultural and forestry production managers |
| | 1312  ○  Aquaculture and fisheries production managers |
| | 1321  ○  Manufacturing managers |
| | 1322  ○  Mining managers |
| | And 421 other symbols [11] |

| | |
|---|---|
| **E7. What is the main activity of the place where %rostertitle% work?** | TEXT      lf7 |
| I  Write the main activity of the establishment and main products or services provided –eg. [Police Department –public safety; Restaurant –preparing and serving meals; Transport company –long distance tr<br>And 17 other symbols [4] | ---------------------------------------------------- |
| E  `IsAnswered(lf6) || IsAnswered(lf6a)` | |

| | | |
|---|---|---|
| **E7a. Please search and code (ISIC)**<br><br>I Try one or two searches and if you cannot find a match code as "MISSING".<br>E lf7.Length > 0 | SINGLE-SELECT: COMBO BOX<br><br>0111 ○ Growing of cereals (except rice), leguminous crops and oil seeds<br>0112 ○ Growing of rice<br>0113 ○ Growing of vegetables and melons, roots and tubers<br>0114 ○ Growing of sugar cane<br>0115 ○ Growing of tobacco<br>0116 ○ Growing of fibre crops<br>0119 ○ Growing of other non-perennial crops<br>0121 ○ Growing of grapes<br>0122 ○ Growing of tropical and subtropical fruits<br>0123 ○ Growing of citrus fruits<br>0124 ○ Growing of pome fruits and stone fruits<br>0125 ○ Growing of other tree and bush fruits and nuts<br>0126 ○ Growing of oleaginous fruits<br>0127 ○ Growing of beverage crops<br>0128 ○ Growing of spices, aromatic, drug and pharmaceutical crops<br>0129 ○ Growing of other perennial crops<br><br>And 404 other symbols [12] | lf7a |
| **E7b. Does %rostertitle% typically work…?**<br><br>E IsAnswered(lf7) \|\| IsAnswered(lf7a) | SINGLE-SELECT<br><br>01 ○ At own home<br>02 ○ At the client's or employer's home<br>03 ○ At a farm, agricultural land or fishing site<br>04 ○ At a business, office, factory, fixed premise or site<br>05 ○ On the street or another public space<br>06 ○ On a vehicle (without daily work base)<br>07 ○ Door-to-door<br>08 ○ Other<br>09 ○ Cannot say | lf7b |
| **E7c. In which Island is %rostertitle% place of work located?**<br><br>E IsAnswered(lf7a) \|\| IsAnswered(lf7b) | SINGLE-SELECT<br><br>01 ○ This island<br>02 ○ Another island<br>03 ○ Another country<br>04 ○ Don't know | lf7c |
| **E8. Does %rostertitle% work as an?**<br><br>E IsAnswered(lf7) \|\| IsAnswered(lf7a) | SINGLE-SELECT<br><br>01 ○ Employee<br>02 ○ Paid apprentice, internship<br>03 ○ Employer (with hired employees)<br>04 ○ Own-account worker (without hired employees)<br>05 ○ Helper (without pay) in a family business | lf8 |

| | |
|---|---|
| E8a. Does %rostertitle% work in ? <br><br> E `lf8.InList(1,2)` | SINGLE-SELECT       lf8a <br> 01 ◯ Government, a public institution, or state owned enterprise <br> 02 ◯ A farm <br> 03 ◯ A private business or institution (non-farm) <br> 04 ◯ An NGO, non-profit or religious institution <br> 05 ◯ A household(s) as a domestic worker <br> 06 ◯ An international organization or a foreign embassy |
| E8b. Does %rostertitle%'s employer pay contributions to Kiribati Provident Fund on %rostertitle%'s behalf? <br><br> E `lf8.InList(1,2)` | SINGLE-SELECT       lf8b <br> 01 ◯ Yes <br> 02 ◯ No <br> 03 ◯ Don't know |
| E8c. Is the business/farm where %rostertitle% works registered in the Ministry of Commerce, Industry and Cooperatives? <br><br> E `lf8.InList(1,2) & lf8a==2` | SINGLE-SELECT       lf8c <br> 01 ◯ Yes <br> 02 ◯ No <br> 03 ◯ Don't know |
| E8d. Is %rostertitle% business registered in the Ministry of Commerce, Industry and Cooperatives? <br><br> E `lf8.InList(3,4,5)` | SINGLE-SELECT       lf8d <br> 01 ◯ Yes <br> 02 ◯ No <br> 03 ◯ Don't know |
| E9. Last week, how many hours did %rostertitle% spend working in this job/business? <br><br> E `lf1.InList(1,3) \|\| (lf1==2 & lf2.InList(1,2)) \|\| lf3.InList(1,2,3)` <br> V1 `self.InRange(1,85)` <br> M1 Hours worked should be between 1-85. Please confirm. | NUMERIC: INTEGER       lf9 <br><br> -------------------------------- |
| E10a. Last week, did %rostertitle% do any of the following activities to produce food mainly for consumption by the household... <br><br> E `lf1!=2` <br> V1 `self.Missing.Length == 0` <br> M1 All Yes/No categories have to be asked and filled | MULTI-SELECT: YES/NO       lf10a <br> 01 ☐ / ☐ Farming or growing food in a plot or kitchen garden <br> 02 ☐ / ☐ Raising or tending farm animals (examples) <br> 03 ☐ / ☐ Fishing, fish farming, collecting shellfish <br> 04 ☐ / ☐ Hunting or gathering wild foods (examples) |
| E10b. Last week, how many hours did %rostertitle% spend working in these activities? <br><br> E `lf10a.Yes.ContainsAny(1,2,3,4)` <br> V1 `self.InRange(1,85)` <br> M1 Hours worked should be between 1-85. Please confirm. | NUMERIC: INTEGER       lf10b <br><br> -------------------------------- |

E11. Last week, did %rostertitle% spend any time...?

V1 `self.Missing.Length == 0`

M1 All Yes/No categories have to be asked and filled

MULTI-SELECT: YES/NO

01 ☐ / ☐ Preparing preserved food or drinks to store such as [flour, dried fish, butter, cheese..]

02 ☐ / ☐ Doing construction work to build, renovate or extend the family home

03 ☐ / ☐ Making any goods for household use such as [mats, baskets, furniture, clothing,..]

04 ☐ / ☐ Fetching water from natural or public sources for household use

05 ☐ / ☐ Collecting firewood [or other natural products] for household use as fuel

# 5. MODULE F: FUNCTIONING CHALLENGES &AMP; SOCIAL BEHAVIOUR

E `dwelling_type==1 && occupancy==1`

---

STATIC TEXT

*This section checks whether household members have a difficulty caused by health or disability. (For 2+ years)*

---

5. MODULE F: FUNCTIONING CHALLENGES & SOCIAL BEHAVIOUR
## Roster: FUNCTIONING CHALLENGES
generated by list question `member_list`                                      `rost_dis`

E `dwelling_type==1 && occupancy==1`

---

| F1. Does %rostertitle% have a problem seeing, even if wearing glasses?<br><br>E `age>=2` | SINGLE-SELECT `seeing`<br>01 ◯ No, no difficulty<br>02 ◯ Yes, some difficulty<br>03 ◯ Yes, a lot of difficulty<br>04 ◯ Cannot do at all |
| --- | --- |
| F2. Does %rostertitle% have difficulty hearing, even if using a hearing aid?<br><br>E `age>=2` | SINGLE-SELECT `hearing`<br>01 ◯ No, no difficulty<br>02 ◯ Yes, some difficulty<br>03 ◯ Yes, a lot of difficulty<br>04 ◯ Cannot do at all |
| F3. Does %rostertitle% experience difficulty walking or climbing steps?<br><br>E `age>=2` | SINGLE-SELECT `mobility`<br>01 ◯ No, no difficulty<br>02 ◯ Yes, some difficulty<br>03 ◯ Yes, a lot of difficulty<br>04 ◯ Cannot do at all |
| F4. Does %rostertitle% have difficulty remembering or concentrating?<br><br>E `age>=2` | SINGLE-SELECT `memory`<br>01 ◯ No, no difficulty<br>02 ◯ Yes, some difficulty<br>03 ◯ Yes, a lot of difficulty<br>04 ◯ Cannot do at all |
| F5. Does %rostertitle% have difficulty with self-care, such as washing all over or getting dressed?<br><br>E `age>=2` | SINGLE-SELECT `sefcare`<br>01 ◯ No, no difficulty<br>02 ◯ Yes, some difficulty<br>03 ◯ Yes, a lot of difficulty<br>04 ◯ Cannot do at all |
| F6. Does %rostertitle% have difficulty communicating using their usual/sign language and Braille? e.g understanding or being understood by others<br><br>E `age>=2` | SINGLE-SELECT `communication`<br>01 ◯ No, no difficulty<br>02 ◯ Yes, some difficulty<br>03 ◯ Yes, a lot of difficulty<br>04 ◯ Cannot do at all |

---

STATIC TEXT

*SOCIAL BEHAVIOUR*

---

| | |
|---|---|
| F7. How frequently does %rostertitle% consume alcohol in an average week?<br><br>I One drinks is equivalent to a glass, a mug, a bottle or a can<br>E age>=15 | SINGLE-SELECT        alcohol<br>01 ◯ Never, 0 drink per week<br>02 ◯ Rarely, 1-2 drinks per week<br>03 ◯ Occasional, 3-7 drinks per week<br>04 ◯ Some, 8-14 drinks per week<br>05 ◯ Regularly, 15-21 drinks per week<br>06 ◯ Frequently, 22+ drinks per week |
| F8. How frequently does %rostertitle% drink kava?<br><br>E age>=15 | SINGLE-SELECT        kava<br>01 ◯ Never<br>02 ◯ Special occassions<br>03 ◯ Once a week (average)<br>04 ◯ 2-3 times per week<br>05 ◯ 4-6 times per week<br>06 ◯ Every day |
| F9. How many cigarettes does %rostertitle% usually smoke on average?<br><br>E age>=15 | SINGLE-SELECT        cigarette<br>01 ◯ Never<br>02 ◯ Little, 1 pack per week<br>03 ◯ Occasional - 5 cigarettes per day<br>04 ◯ Some - 10 cigarettes per day<br>05 ◯ Regular - 1 packet a day<br>06 ◯ Heavy - more than 1 packet a day |
| F10. Does %rostertitle% chew kouben?<br><br>E age>=15 | SINGLE-SELECT        kouben<br>01 ◯ Yes<br>02 ◯ No |
| F11. How frequently does %rostertitle% play bingo in an average week?<br><br>E age>=15 | SINGLE-SELECT        bingo<br>01 ◯ Never, does not play bingo<br>02 ◯ Rarely - one day per week<br>03 ◯ Occasional - two days per week<br>04 ◯ Some - 3 days per week<br>05 ◯ Regularly, 4-5 days of the week<br>06 ◯ Frequent, 6-7 days a week |

# 6. MODULE G: FERTILITY AND MORTALITY (WOMEN AGED 15+)

E   `dwelling_type==1 && occupancy==1`

---

6. MODULE G: FERTILITY AND MORTALITY (WOMEN AGED 15+)
## Roster: FERTILITY AND MORTALITY (WOMEN AGED 15+)
generated by list question `member_list`                                    `rost_fert_mort`

E   `(sex == 2 && age >= 15)`

---

| G1. Has %rostertitle% ever given birth to a live child, even if the child died soon after birth? | SINGLE-SELECT                          `g1_ever_given_births` |
|---|---|
| | 01 ⚪ Yes |
| | 02 ⚪ No |

V1   `!(relat==1 && sex==2 && (person_roster.Count(y=>(y.relat==4))>=1) && self == 2)`
M1   This cannot be 'No' as this person is the Head and has Children living in the house
V2   `!(relat==10 && sex==2 && (person_roster.Count(y=>(y.relat==1))==1) && self == 2)`
M2   This cannot be 'No' as this Person is the Mother of Head
V3   `!(relat==11 && sex==1 && (person_roster.Count(y=>(y.relat==2))==1) && self == 2)`
M3   This cannot be 'No' as this Person is Mother of Spouse

---

| G2. At what age did %rostertitle% have her first child? | NUMERIC: INTEGER                          `g2_age_1st_birth` |
|---|---|

I    Age should be 15 years and above
E    `g1_ever_given_births == 1`
V1   `g2_age_1st_birth > 14`
M1   Age should be 15 years and above

---

| G2a. How many boys has %rostertitle% ever given birth to that were born alive? | NUMERIC: INTEGER                          `g2a_boys_ever_born` |
|---|---|

I    Range is between 0-15. Please enter '0' if there is none, don't leave it blank.
E    `g1_ever_given_births == 1`
V1   `g2a_boys_ever_born.InRange(0,15)`
M1   Boys ever born cannot be more than 15
V2   `!(relat==10 && (person_roster.Count(y=>(y.relat==1 && y.sex==1))==1) && self == 0)`
M2   This cannot be 0 as this person is mother of Male Head
V3   `!(relat==11 && (person_roster.Count(y=>(y.relat==2 && y.sex==1))==1) && self == 0)`
M3   This cannot be 0 as this person is mother of Male Spouse
V4   `!(relat==1 && (person_roster.Count(y=>(y.relat==3 && y.sex==1))>=1) && self == 0)`
M4   This cannot be 0 as this person is Female Head and has Son in the house

| | |
|---|---|
| **G2b. How many girls has %rostertitle% ever given birth to that were born alive?** | NUMERIC: INTEGER  g2b_girls_ever_born |
| I Range is between 0-15. Please enter '0' if there is none, don't leave it blank. | ----------------------------------- |
| E `g1_ever_given_births == 1` | |
| V1 `g2b_girls_ever_born.InRange(0,15)` | |
| M1 Girls ever born cannot be more than 15 | |
| V2 `!(relat==10 && (person_roster.Count(y=>(y.relat==1 && y.sex==2))==1) && self == 0)` | |
| M2 This cannot be 0 as this person is mother of female Head | |
| V3 `!(relat==11 && (person_roster.Count(y=>(y.relat==2 && y.sex==2))==1) && self == 0)` | |
| M3 This cannot be 0 as this person is mother of female Spouse | |
| V4 `!(relat==1 && (person_roster.Count(y=>(y.relat==3 && y.sex==2))>=1) && self == 0)` | |
| M4 This cannot be 0 as this person is Female Head and has Daughter in the house | |

6. MODULE G: FERTILITY AND MORTALITY (WOMEN AGED 15+) / FERTILITY AND MORTALITY (WOMEN AGED 15+)

## BOYS EVER BORN

E `g1_ever_given_births == 1 && g2a_boys_ever_born > 0`

| | |
|---|---|
| **G3a. How many boys has %rostertitle% ever given birth to that were born alive and live in this household?** | NUMERIC: INTEGER  g3a_boys_live_hh |
| I Range is between 0-15. Please enter '0' if there is none, don't leave it blank. | ----------------------------------- |
| V1 `g3a_boys_live_hh.InRange(0,15)` | |
| M1 Boys live in household cannot be more than 15 | |
| V2 `!((person_roster.Count(x=>x.relat>=1)==1) && g3a_boys_live_hh != 0)` | |
| M2 Only one person in this house...please check. | |
| V3 `!(relat==1 && (person_roster.Count(y=>(y.relat==3 && y.sex==1))>=1) && g3a_boys_live_hh == 0)` | |
| M3 Cannot be 0 - this person is the Head and has Son living in the house | |
| V4 `!(relat==10 && (person_roster.Count(y=>(y.relat==1 && y.sex==1))==1) && g3a_boys_live_hh == 0)` | |
| M4 This person is the Mother of Male Head, so this cannot be 0 | |
| V5 `!(relat==11 && (person_roster.Count(y=>(y.relat==2 && y.sex==1))==1) && g3a_boys_live_hh == 0)` | |
| M5 This person is the Mother of Male Spouse, so this cannot be 0 | |
| V6 `person_roster.Count(x=>x.sex==1) >= g3a_boys_live_hh` | |
| M6 Number is more than number of males in the roster - Please check !!! | |

| | |
|---|---|
| **G3b. How many boys has %rostertitle% ever given birth to that were born alive and live elsewhere?** | NUMERIC: INTEGER  g3b_boys_elsewhere |
| I Range is between 0-15. Please enter '0' if there is none, don't leave it blank. | ----------------------------------- |
| V1 `g3b_boys_elsewhere.InRange(0,15)` | |
| M1 Boys live elsewhere cannot be more than 15 | |

| | |
|---|---|
| **G3c. How many boys has %rostertitle% ever given birth to that were born alive who have died? (include adult children)** | NUMERIC: INTEGER  g3c_boys_not_alive |
| I Range is between 0-15. Please enter '0' if there is none, don't leave it blank. | ----------------------------------- |
| V1 `g3c_boys_not_alive.InRange(0,15)` | |
| M1 Boys not alive cannot be more than 15 | |
| V2 `(g3c_boys_not_alive+g3b_boys_elsewhere+g3a_boys_live_hh)==g2a_boys_ever_born` | |
| M2 There were %g2a_boys_ever_born% boys born so total should add up. Please confirm !! | |

6. MODULE G: FERTILITY AND MORTALITY (WOMEN AGED 15+) / FERTILITY AND MORTALITY (WOMEN AGED 15+)

## GIRLS EVER BORN

E `g1_ever_given_births == 1 && g2b_girls_ever_born > 0`

---

G4a. How many girls has %rostertitle% ever given birth to that were born alive and live in this household?

NUMERIC: INTEGER       g4a_girls_live_hh

`- - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

I Range is between 0-15. Please enter '0' if there is none, don't leave it blank.
V1 `g4a_girls_live_hh.InRange(0,15)`
M1 Girls live in household cannot be more than 15
V2 `!((person_roster.Count(x=>x.relat>=1)==1) && g4a_girls_live_hh != 0)`
M2 Only one person in this house...please check.
V3 `!(relat==1 && (person_roster.Count(y=>(y.relat==3 && y.sex==2))>=1) && g4a_girls_live_hh == 0)`
M3 This person is the Head and has Daughter living in the house
V4 `!(relat==10 && (person_roster.Count(y=>(y.relat==1 && y.sex==2))==1) && g4a_girls_live_hh == 0)`
M4 This person is the Mother of Female Head, so this cannot be 0
V5 `!(relat==11 && (person_roster.Count(y=>(y.relat==2 && y.sex==2))==1) && g4a_girls_live_hh == 0)`
M5 This person is the Mother of Female Spouse, so this cannot be 0
V6 `person_roster.Count(x=>x.sex==2) >= g4a_girls_live_hh`
M6 Number is more than number of females in the roster - Please check !!!

---

G4b. How many girls has %rostertitle% ever given birth to that were born alive and live elsewhere?

NUMERIC: INTEGER       g4b_girls_elsewhere

`- - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

I Range is between 0-15. Please enter '0' if there is none, don't leave it blank.
V1 `g4b_girls_elsewhere.InRange(0,15)`
M1 Girls live elsewhere cannot be more than 15

---

G4c. How many girls has %rostertitle% ever given birth to that were born alive who have died? (include adult children)

NUMERIC: INTEGER       g4c_girls_not_alive

`- - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

I Range is between 0-15. Please enter '0' if there is none, don't leave it blank.
V1 `g4c_girls_not_alive.InRange(0,15)`
M1 Girls not alive cannot be more than 15
V2 `(g4c_girls_not_alive+g4b_girls_elsewhere+g4a_girls_live_hh)==g2b_girls_ever_born`
M2 There were %g2b_girls_ever_born% girls born so total should add up. Please confirm !!

---

6. MODULE G: FERTILITY AND MORTALITY (WOMEN AGED 15+) / FERTILITY AND MORTALITY (WOMEN AGED 15+)
## LAST CHILD INFORMATION

E `g1_ever_given_births == 1`

---

STATIC TEXT

*Please enter the date of birth of the last child born, even if the child died soon after birth*

---

G5a. Enter DAY OF BIRTH of %rostertitle%'s last child born?

NUMERIC: INTEGER       g5a_last_child_dd

`- - - - - - - - - - - - - - - - - - - - - - - - - - - - - .`

I Range is between 1-31. Select "Don't know" if day is unknown
V1 `g5a_last_child_dd.InRange(1,31) || g5a_last_child_dd==99`
M1 Invalid day entered, should be between 1-31 OR 99 for 'Don't Know'

SPECIAL VALUES
99   Don't know

| | |
|---|---|
| G5b. Enter MONTH OF BIRTH of %rostertitle%'s last child born? | SINGLE-SELECT                   g5b_last_child_mm <br> 01 ◯ January <br> 02 ◯ February <br> 03 ◯ March <br> 04 ◯ April <br> 05 ◯ May <br> 06 ◯ June <br> 07 ◯ July <br> 08 ◯ August <br> 09 ◯ September <br> 10 ◯ October <br> 11 ◯ November <br> 12 ◯ December <br> 99 ◯ Don't know |

G5c. Enter YEAR OF BIRTH of %rostertitle%'s last child born?

NUMERIC: INTEGER          g5c_last_child_yrs

I  Note: Year should be in the format YYYY (4-digit from 1910-2020).
V1  `g5c_last_child_yrs.InRange(1910,2020)`
M1  The year is invalid, should be between 1910 - 2020
V2  `g5c_last_child_yrs - year_dob >= 15`
M2  Year of birth of Mother is %year_dob%, difference should be 15 and above.

G6. Is %rostertitle%'s last child male or female?

SINGLE-SELECT          g6_last_child_sex
01 ◯ Male
02 ◯ Female

V1  `g2a_boys_ever_born==0 && g2b_girls_ever_born!=0 && self==2 || g2a_boys_ever_born!=0 && g2b_girls_ever_born==0 && self==1 || g2a_boys_ever_born>0 && g2b_girls_ever_born>0`
M1  Sex is inconsistent to number in G3b or G3c

G7. Is %rostertitle%'s last child still alive?

SINGLE-SELECT        g7_last_child_alive
01 ◯ Yes
02 ◯ No

G8a. Which MONTH did %rostertitle%'s last child die?

NUMERIC: INTEGER        g8a_last_child_mm

I  Range is between 1-12. Type '99' if month not known
E  `g7_last_child_alive == 2`
V1  `g7_last_child_alive.InRange(1,12) || g7_last_child_alive ==99`
M1  invalid month entered, should be between 1-12 OR 99 for 'Don't Know'

G8b. Which YEAR did %rostertitle%'s last child die?

NUMERIC: INTEGER        g8b_last_child_yrs

E  `g7_last_child_alive == 2`
V1  `g8b_last_child_yrs.InRange(1910,2020)`
M1  invalid year, should be between 1910 - 2020
V2  `self >= g5c_last_child_yrs`
M2  Year of death cannot be less than Year of Birth in G5c

# 7. MODULE H: COMMUNICATIONS AND INTERNET

E `dwelling_type==1 && occupancy==1`

---

## Roster: COMMUNICATIONS & INTERNET
generated by list question `member_list`                                                    rost_comm_int

E `age >= 10`

---

| H1. Does %rostertitle% access the internet in the last week? | SINGLE-SELECT h1_internet_access<br>01 ○ Yes<br>02 ○ No |
|---|---|
| H2. Where does %rostertitle% access the internet MOST of the time in the last 12 months?<br><br>E `h1_internet_access == 1` | SINGLE-SELECT h2_location<br>01 ○ Home<br>02 ○ Internet cafe<br>03 ○ Free wireless hotspots area<br>04 ○ Workplace<br>05 ○ At place of education<br>06 ○ Island Council<br>07 ○ Other (specify) |
| H2_oth. 'Other' place where internet is accessed<br><br>E `h2_location == 7` | TEXT internet_other<br>┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄ |
| H3. What does %rostertitle% primarily use the internet for?<br><br>E `h1_internet_access == 1` | MULTI-SELECT internet_use<br>01 ☐ Education<br>02 ☐ Shopping/product info<br>03 ☐ Social media (facebook, twitter, viber, Instagram, messenger etc)<br>04 ☐ Online games<br>05 ☐ Online movies<br>06 ☐ Readings<br>07 ☐ Work/Business<br>08 ☐ Communication (including email)<br>09 ☐ Information gathering<br>10 ☐ Other (specify) |
| H3_oth. 'Other' use of internet<br><br>E `internet_use.Contains(10)` | TEXT use_other<br>┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄┄ |
| H4. Does %rostertitle% have a working mobile/cell phone?<br><br>I Ensure that the phone is solely owned by the person, and is not shared. | SINGLE-SELECT h4_mobile_phone<br>01 ○ Yes<br>02 ○ No |

# 8. MODULE I : HOUSING

E `dwelling_type==1 && occupancy==1`

---

## BUILDING CONSTRUCTION AND FACILITES

| | |
|---|---|
| I1. Which type of living quarters does this HH live in?<br><br>I  Include all apartments, flats, etc.,. | SINGLE-SELECT `lquarters`<br>01 ○ A one-family house detached from any other house<br>02 ○ A one-family house made up of multiple small structures<br>03 ○ A one-family house attached to one or more house<br>04 ○ A building with two or more apartments<br>05 ○ Dwelling attached to a shop or other non-resident building<br>06 ○ Lodging house (Hostels,etc.)<br>07 ○ Other (specify) |
| I1_oth. Other description of type of living quarters<br><br>E `lquarters == 7` | TEXT `lquarters_oth`<br>•••••••••••••••••••••••••••••••• |
| I2. Is this house/apartment... | SINGLE-SELECT `house_tenure`<br>01 ○ Owned by you or someone in this HH with a mortgage or loan<br>02 ○ Owned by you or someone in the HH free and clear<br>03 ○ Rented<br>04 ○ Rent from Public Rental Board<br>05 ○ Occupied without payment<br>06 ○ Other arrangement with owner<br>07 ○ Other (specify) |
| I2_oth.Other description of housing tenure<br><br>E `house_tenure == 7` | TEXT `tenure_other`<br>•••••••••••••••••••••••••••••••• |
| I3. MAIN material of the floor? | SINGLE-SELECT `floor`<br>01 ○ Wood<br>02 ○ Masonite<br>03 ○ Metal/iron/aluminium<br>04 ○ Concrete/cement/bricks<br>05 ○ Plywood<br>06 ○ Traditional materials<br>07 ○ Tent<br>08 ○ Other (specify) |
| I3_oth. Other description of floor material<br><br>E `floor == 8` | TEXT `floor_oth`<br>•••••••••••••••••••••••••••••••• |

| I4. MAIN material of the roof? | SINGLE-SELECT                          roof |
|---|---|
| | 01 ◯ Wood |
| | 02 ◯ Metal/iron/aluminium |
| | 03 ◯ Concrete/cement/bricks |
| | 04 ◯ Traditional materials |
| | 05 ◯ Tent |
| | 06 ◯ Other (specify) |

| I4_oth. Other description of roof material | TEXT                              roof_oth |
|---|---|
| E  roof == 6 | ............................................. |

| I5. MAIN material of the outer walls? | SINGLE-SELECT                         walls |
|---|---|
| | 01 ◯ Wood |
| | 02 ◯ Masonite |
| | 03 ◯ Metal/iron/aluminium |
| | 04 ◯ Concrete/cement/bricks |
| | 05 ◯ Traditional materials |
| | 06 ◯ No wall |
| | 07 ◯ Other (specify) |

| I5_oth. Other description of wall material | TEXT                              wall_oth |
|---|---|
| E  walls == 7 | ............................................. |

| I6. What are the sources of drinking water for members of your HH? | MULTI-SELECT: ORDERED              drinking_water |
|---|---|
| I  This is multi-response question where you can have more than one answer. Please note that you need to select the answers in order of importance - from the highest to the least usage. | 01 ☐ Piped into dwelling |
| | 02 ☐ piped into compound, yard or plot |
| | 03 ☐ Public tap/standpipe |
| | 04 ☐ Piped to neighbor |
| | 05 ☐ Dug well - Protected well |
| | 06 ☐ Dug well - Unprotected well |
| | 07 ☐ Rain water: own tank - tap inside dwelling |
| | 08 ☐ Rain water: own tank - tap outside dwelling |
| | 09 ☐ Communal tank |
| | 10 ☐ Tanker truck |
| | 11 ☐ Bottled water |
| | 12 ☐ Other (Specify) |

| I6_oth. Other source of drinking water | TEXT                         drinkwater_oth |
|---|---|
| E  drinking_water.Contains(12) | ............................................. |

| | |
|---|---|
| **I7.** What are the sources of water used by your HH for cooking and personal hygiene? for example, handwashing or brushing teeth<br><br>I  This is multi-response question where you can have more than one answer. Please note that you need to select the answers in order of importance - from the highest to the least usage. | MULTI-SELECT: ORDERED     cooking_water<br>01 ☐ Piped into dwelling<br>02 ☐ piped into compound, yard or plot<br>03 ☐ Public tap/standpipe<br>04 ☐ Piped to neighbor<br>05 ☐ Dug well - Protected well<br>06 ☐ Dug well - Unprotected well<br>07 ☐ Rain water: own tank - tap inside dwelling<br>08 ☐ Rain water: own tank - tap outside dwelling<br>09 ☐ Communal tank<br>10 ☐ Tanker truck<br>11 ☐ Bottled water<br>12 ☐ Other (Specify) |
| **I7_oth.** Other source of cooking water<br><br>E  `cooking_water.Contains(12)` | TEXT     cookwater_oth<br><br>........................................................... |
| **I8.** What kind of toilet facilities do members of your HH usually use?<br><br>V1  `!(self.Contains(1) && (island!=7 | island!=22))`<br>M1  Flush to Piped Sewer System is only available in South Tarawa. | MULTI-SELECT     toilet_facility<br>01 ☐ Flush to piped sewer system<br>02 ☐ Flush to septic tank<br>03 ☐ Flush to pit latrine<br>04 ☐ Flush to somewhere else<br>05 ☐ Pit latrine with slab<br>06 ☐ Pit latrine without slab - open pit<br>07 ☐ Water sealed<br>08 ☐ No facility, beach, bush etc.<br>09 ☐ Other (specify) |
| **I8_oth.** Describe the 'other' toilet facility?<br><br>E  `toilet_facility.Contains(9)` | TEXT     oth_toilet_facility<br><br>........................................................... |
| **I9.** Do you share this toilet facility with other households?<br><br>E  `toilet_facility.ContainsAny(1,7)` | SINGLE-SELECT     share_toilet<br>01 ◯ Yes<br>02 ◯ No |
| **I9a.** How many HHs in total use this toilet facility, including your own HH?<br><br>E  `share_toilet==1`<br>V1  `hh_sharetoilet>1`<br>M1  This is shared toilet so number of hh should be greater than 1<br>V2  `self.InRange(1,9)`<br>M2  Range should be between 1-5 | NUMERIC: INTEGER     hh_sharetoilet<br><br>– – – – – – – – – – – – – – – – – |
| **I10.** What types of fuel does your HH use for cooking?<br><br>I  This is multi-response question where you can have more than one answer. Please note that you need to select the answers in order of importance - from the highest to the least usage. | MULTI-SELECT: ORDERED     cooking_fuel<br>01 ☐ Electricity<br>02 ☐ Propane gas (LPG)<br>03 ☐ Kerosene<br>04 ☐ Solar power<br>06 ☐ Wood<br>07 ☐ Copra cake<br>08 ☐ Coconut husks/shells<br>09 ☐ Other (specify) |

| I10_oth. Describe the 'other' type of fuel? | TEXT | oth_cook_fuel |
|---|---|---|

E `cooking_fuel.Contains(9)`

---

**I11. What are the sources of electricity used by the Household?**

I This is multi-response question where you can have more than one answer. Please note that you need to select the answers in order of importance - from the highest to the least usage.

V1 `(!electricity.Contains(6) && electricity.ContainsAny(1,2,3,4,5,7)) || electricity.ContainsOnly(6)`

M1 Cannot choose 'None' with any other codes

MULTI-SELECT: ORDERED    electricity

- 01 ☐ Government electricity
- 02 ☐ Village diesel plant
- 03 ☐ Own generator
- 04 ☐ Solar
- 05 ☐ None
- 06 ☐ Other (specify)

---

| I11_oth. Describe the 'other' source of electricity? | TEXT | oth_elect_source |
|---|---|---|

E `electricity.Contains(6)`

---

**I12. What are the sources of lighting used by this Household?**

I This is multi-response question where you can have more than one answer. Please note that you need to select the answers in order of importance - from the highest to the least usage.

V1 `(!lighting.Contains(6) && lighting.ContainsAny(1,2,3,4,5,7)) || lighting.ContainsOnly(6)`

M1 Cannot choose 'None' with any other codes

MULTI-SELECT: ORDERED    lighting

- 01 ☐ Electricity
- 02 ☐ Pressure Lamp
- 03 ☐ Kerosene Lamp
- 04 ☐ Solar
- 05 ☐ Dry cell batteries
- 06 ☐ None
- 07 ☐ Other (specify)

---

| I12_oth. Describe the other source of lighting? | TEXT | oth_lighting |
|---|---|---|

E `lighting.Contains(7)`

---

**I13. Where does your HH dispose its garbage/rubbish?**

I You can select more than one disposal method. Please rank your selection according to its importance.

MULTI-SELECT: ORDERED    waste_disp

- 01 ☐ Personal bin (public collection)
- 02 ☐ Personal bin (take to dump yourself)
- 03 ☐ Burn it
- 04 ☐ Compost
- 05 ☐ Bury in yard/bush
- 06 ☐ Ocean/sea
- 07 ☐ Other (specify)

---

| I13_oth. Describe the other place of disposal? | TEXT | oth_disposal |
|---|---|---|

E `waste_disp.Contains(7)`

---

**I14. What medical services does the household have access to or have used?**

MULTI-SELECT    health_service

- 01 ☐ Hospital
- 02 ☐ Health center
- 03 ☐ Dispensary
- 04 ☐ Village clinic
- 05 ☐ Bwai ni Kiribati
- 06 ☐ Private services
- 07 ☐ Other services (specify)

---

8. MODULE I : HOUSING

## HOUSEHOLD GOODS

| I15. Does your HH have any of the following goods? | MULTI-SELECT: YES/NO          hhld_goods |
|---|---|
| I  Please ask for all the items in the list for those in GOOD WORKING CONDITION<br>V1  self.Missing.Length == 0<br>M1  All Yes/No categories have to be asked and filled | 01 ☐ / ☐  Car<br>02 ☐ / ☐  Truck<br>03 ☐ / ☐  Van<br>04 ☐ / ☐  Motor bike/Scooter<br>05 ☐ / ☐  Bicycle<br>06 ☐ / ☐  Refrigerator<br>07 ☐ / ☐  Kerosene stove<br>08 ☐ / ☐  Electric stove<br>09 ☐ / ☐  Gas stove<br>10 ☐ / ☐  Electric kettle<br>11 ☐ / ☐  Electric rice cooker<br>12 ☐ / ☐  Washing machine<br>13 ☐ / ☐  Sewing machine<br>14 ☐ / ☐  Water tanks<br>15 ☐ / ☐  Fan<br>16 ☐ / ☐  Oven<br><br>And 8 other symbols [13] |
| **I15a. How many Car(s)**<br><br>I  Number range is between 1-9<br>E  hhld_goods.Yes.Contains(1)<br>V1  car.InRange(1,9)<br>M1  No. of cars between 1-9 | NUMERIC: INTEGER          car<br><br>— — — — — — — — — — — — — — — — — — — — — . |
| **I15b. How many Truck(s)**<br><br>I  Number range is between 1-9<br>E  hhld_goods.Yes.Contains(2)<br>V1  truck.InRange(1,9)<br>M1  No. of trucks between 1-9 | NUMERIC: INTEGER          truck<br><br>— — — — — — — — — — — — — — — — — — — — — . |
| **I15c. How many Van(s)**<br><br>I  Number range is between 1-9<br>E  hhld_goods.Yes.Contains(3)<br>V1  van.InRange(1,9)<br>M1  No. of vans between 1-9 | NUMERIC: INTEGER          van<br><br>— — — — — — — — — — — — — — — — — — — — — . |
| **I15d. How many Motor bike(s) / scooter(s)**<br><br>I  Number range is between 1-9<br>E  hhld_goods.Yes.Contains(4)<br>V1  motor_bike.InRange(1,9)<br>M1  No. of bikes between 1-9 | NUMERIC: INTEGER          motor_bike<br><br>— — — — — — — — — — — — — — — — — — — — — . |
| **I15e. How many Bicycle(s)**<br><br>I  Number range is between 1-9<br>E  hhld_goods.Yes.Contains(5)<br>V1  bicycle.InRange(1,9)<br>M1  No. of bicycles between 1-9 | NUMERIC: INTEGER          bicycle<br><br>— — — — — — — — — — — — — — — — — — — — — . |
| **I15f. How many Refrigerator(s)**<br><br>I  Number range is between 1-9<br>E  hhld_goods.Yes.Contains(6)<br>V1  fridge.InRange(1,9)<br>M1  No. of fridges between 1-9 | NUMERIC: INTEGER          fridge<br><br>— — — — — — — — — — — — — — — — — — — — — . |

| I15fa. What type of Refrigerator do you have? | SINGLE-SELECT | fridge_type |
|---|---|---|

E  hhld_goods.Yes.Contains(6)

- 01 ◯ Chest freezer
- 02 ◯ Top freezer double door refrigerator
- 03 ◯ Mini refrigerator
- 04 ◯ Other types

---

### I15g. How many Kerosene Stove(s)

NUMERIC: INTEGER      kerosene_stove

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(7)
V1  kerosene_stove.InRange(1,9)
M1  No. of kerosene stoves between 1-9

---

### I15h. How many Electric Stove(s)

NUMERIC: INTEGER      electric_stove

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(8)
V1  electric_stove.InRange(1,9)
M1  No. of electric stoves between 1-9

---

### I15i. How many Gas Stove(s)

NUMERIC: INTEGER      gas_stove

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(9)
V1  gas_stove.InRange(1,9)
M1  No. of gas stoves between 1-9

---

### I15j. How many Electric Kettle(s)

NUMERIC: INTEGER      electric_kettle

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(10)
V1  electric_kettle.InRange(1,9)
M1  No. of electric kettle between 1-9

---

### I15k. How many Electric Rice Cooker(s)

NUMERIC: INTEGER      rice_cooker

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(11)
V1  rice_cooker.InRange(1,9)
M1  No. of rice cooker between 1-9

---

### I15l. How many Washing machine(s)

NUMERIC: INTEGER      washing_machine

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(12)
V1  washing_machine.InRange(1,9)
M1  No. of washing machines between 1-9

---

### I15m. How many Sewing machine(s)

NUMERIC: INTEGER      sewing_machine

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(13)
V1  sewing_machine.InRange(1,9)
M1  No. of sewing machine between 1-9

---

### I15n. How many Water Tanks

NUMERIC: INTEGER      water_tank

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(14)
V1  water_tank.InRange(1,9)
M1  No. of water tanks between 1-9

## I15o. How many Fans

NUMERIC: INTEGER       fans

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(15)
V1   fans.InRange(1,9)
M1   No. of fans between 1-9

------------------------------------

## I15p. How many Ovens

NUMERIC: INTEGER       oven

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(16)
V1   oven.InRange(1,9)
M1   No. of ovens between 1-9

------------------------------------

## I15q. How many Generators

NUMERIC: INTEGER       generator

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(17)
V1   generator.InRange(1,9)
M1   No. of generators between 1-9

------------------------------------

## I15qa. What does your household use the generator for?

MULTI-SELECT       generator_use

E   hhld_goods.Yes.Contains(17)

01 ☐ Refrigerator
02 ☐ Light
03 ☐ Mechanical tools
04 ☐ Other use

## I15r. How many Solar panel(s) + equipment

NUMERIC: INTEGER       solar

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(18)
V1   solar.InRange(1,9)
M1   No. of solar panels between 1-9

------------------------------------

## I15ra. How frequent does your household use the solar panel system?

SINGLE-SELECT       solar_use

E   hhld_goods.Yes.Contains(23)

01 ◯ Everyday
02 ◯ Once a week
03 ◯ Once in a month
04 ◯ Not at all

## I15s. How many Television(s) screen

NUMERIC: INTEGER       tv

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(19)
V1   tv.InRange(1,9)
M1   No. of TVs between 1-9

------------------------------------

## I15t. How many CD/DVD player(s)

NUMERIC: INTEGER       cd_dvd

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(20)
V1   cd_dvd.InRange(1,9)
M1   No. of CD/DVD players between 1-9

------------------------------------

## I15u. How many Bluetooth Speaker(s)

NUMERIC: INTEGER       bluetooth

I   Number range is between 1-9
E   hhld_goods.Yes.Contains(21)
V1   bluetooth.InRange(1,9)
M1   No. of bluetooth speaker between 1-9

------------------------------------

| I15v. How many Cordless phone(s) | NUMERIC: INTEGER | cordless_phone |
|---|---|---|

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(22)
V1  cordless_phone.InRange(1,9)
M1  No. of cordless phones between 1-9

---

| I15w. How many computers(desktops/laptops)? | NUMERIC: INTEGER | computer |
|---|---|---|

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(23)
V1  computer.InRange(1,9)
M1  No. of computer between 1-9

---

| I15x. How many Tablet(s) | NUMERIC: INTEGER | tablet |
|---|---|---|

I  Number range is between 1-9
E  hhld_goods.Yes.Contains(24)
V1  tablet.InRange(1,9)
M1  No. of tablets between 1-9

---

### I15y. Which appliances are powered by solar?

F  hhld_goods.Yes.Contains(@optioncode) && @optioncode.InList(6,8,10,11,12,15,16,19,20,21,23,24)
E  hhld_goods.Yes.ContainsAny(6,8,10,11,12,15,16,19,20)

MULTI-SELECT: YES/NO    solar_powered

01 ☐ / ☐  Car
02 ☐ / ☐  Truck
03 ☐ / ☐  Van
04 ☐ / ☐  Motor bike/Scooter
05 ☐ / ☐  Bicycle
06 ☐ / ☐  Refrigerator
07 ☐ / ☐  Kerosene stove
08 ☐ / ☐  Electric stove
09 ☐ / ☐  Gas stove
10 ☐ / ☐  Electric kettle
11 ☐ / ☐  Electric rice cooker
12 ☐ / ☐  Washing machine
13 ☐ / ☐  Sewing machine
14 ☐ / ☐  Water tanks
15 ☐ / ☐  Fan
16 ☐ / ☐  Oven

And 8 other symbols [14]

---

### I16. Does your household have access to a battery powered radio?

SINGLE-SELECT    radio

01 ◯  Yes
02 ◯  No

---

### I17. What is the name of the internet provider does this household use?

I  This is a multi-select question where you can select more than one internet provider
V1  self.Length > 1 ? !self.Contains(6) : true
M1  "None" cannot be selected with another category

MULTI-SELECT    internet_provider

01 ☐  Vodafone
02 ☐  Ocean Link
03 ☐  TeniiCom
04 ☐  Taotin
05 ☐  Pintech
06 ☐  None

---

STATIC TEXT

*Household Income Source*

| I18. What are the sources of income your HH received in the last 12 months? | MULTI-SELECT | hh_income |
|---|---|---|

V1 `self.Length > 1 ? !self.Contains(9) : true`
M1 Cannot select 'None' with any other code

- 01 ☐ Regular salary
- 02 ☐ Income from own business
- 03 ☐ Sale of products (crops, fish, handicrafts)
- 04 ☐ Rental income from land lease
- 05 ☐ Rental income from house/flats rented out
- 06 ☐ Remittances from anyone not on HH roster
- 07 ☐ Elderly fund
- 08 ☐ Pension or retirement fund
- 09 ☐ None
- 10 ☐ Other (specify)

---

I18_oth. Other description of source of income

TEXT — income_other

E `hh_income.Contains(10)`

.................................................................

## 8. MODULE I : HOUSING
## MIGRATION

---

I22. Has any member from this household migrated overseas within the last 3 years?

SINGLE-SELECT — moved_hh_last_3y

- 01 ○ Yes
- 02 ○ No

---

I23. How many household members have migrated in the last 3 years?

NUMERIC: INTEGER — num_migration

E `moved_hh_last_3y == 1`

---

I24. When was the last migration?

SINGLE-SELECT — year_migration

I Please note for those who migrated in 2017, include only if they migrated in November and December.
E `moved_hh_last_3y == 1`

- 01 ○ 2017
- 02 ○ 2018
- 03 ○ 2019
- 04 ○ 2020

---

I25. What is the reason of the migration?

SINGLE-SELECT — reason_migration

E `moved_hh_last_3y==1`

- 01 ○ Returning home
- 02 ○ Migration abroad under PAC
- 03 ○ Family reunification
- 04 ○ Employment
- 05 ○ Seasonal worker
- 06 ○ Education
- 07 ○ Marriage
- 08 ○ Other (specify)

# 9. MODULE J: AGRICULTURE, FISHING, HANDICRAFT, FOOD STOCK &AMP; TOURISM

E  `dwelling_type==1 && occupancy==1`

---

| J1. Has any household member conducted or undertaken any of the following activities in the last 12 months? | MULTI-SELECT: YES/NO | ownacct_activity |
|---|---|---|
| | 01 ☐ / ☐　Growing food crops | |
| V1  `self.Missing.Length == 0` | 02 ☐ / ☐　Raising livestock | |
| M1  All Yes/No categories have to be asked and answered !!! | 03 ☐ / ☐　Fishing and seafood gathering | |
| | 04 ☐ / ☐　Handicrafts | |

9. MODULE J: AGRICULTURE, FISHING, HANDICRAFT, FOOD STOCK & TOURISM
### FOOD CROPS

E  `ownacct_activity.Yes.Contains(1)`

---

| FC1. Has this household grown any of the following crops in the last 12 months? | MULTI-SELECT: YES/NO | crop_list |
|---|---|---|
| | 01 ☐ / ☐　Banana | |
| V1  `self.Missing.Length == 0` | 02 ☐ / ☐　Pumpkin | |
| M1  All Yes/No categories have to be asked and filled | 03 ☐ / ☐　Kumala | |
| V2  `ownacct_activity.Yes.Contains(1) && self.Yes.Length != 0` | 04 ☐ / ☐　Cassava | |
| M2  At least one category has to be a 'Yes'. They cannot be all 'No'. | 05 ☐ / ☐　Cabbage | |
| | 06 ☐ / ☐　Tomato | |
| | 07 ☐ / ☐　Cucumber | |
| | 08 ☐ / ☐　Watermelon | |
| | 09 ☐ / ☐　Eggplant | |
| | 10 ☐ / ☐　Breadfruit | |
| | 11 ☐ / ☐　Babai | |
| | 12 ☐ / ☐　Coconut tree | |
| | 13 ☐ / ☐　Other (specify) | |

| FC1a. How many OTHER crops do you grow in the last 12 months? | NUMERIC: INTEGER | othercrop_num |
|---|---|---|
| E  `crop_list.Yes.Contains(13)` | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | |
| V1  `self.InRange(1,3)` | | |
| M1  Number of OTHER crops should be between 1-3 | | |

| FC1a_oth1. Specify the 1st OTHER food crop? | TEXT | other_crop1 |
|---|---|---|
| E  `crop_list.Yes.Contains(13) && othercrop_num.InRange(1,3)` | ............................................................. | |

| FC1a_oth2. Specify the 2nd OTHER food crop? | TEXT | other_crop2 |
|---|---|---|
| E  `crop_list.Yes.Contains(13) && othercrop_num>=2 && IsAnswered(other_crop1)` | ............................................................. | |

| FC1a_oth3. Specify the 3rd OTHER food crop? | TEXT | other_crop3 |
|---|---|---|
| E  `crop_list.Yes.Contains(13) && othercrop_num>=3 && IsAnswered(other_crop2)` | ............................................................. | |

| FC2. What is the purpose of growing the food crops? | SINGLE-SELECT | crop_purpose |
|---|---|---|

FC2. What is the purpose of growing the food crops?

I  Customary practices includes preserve of traditional knowledge and skills of planting and cultivation, preserve of traditional plants and crops for food in different festive events, provide raw materi
And 96 other symbols [5]

SINGLE-SELECT    crop_purpose

01 ○ Only for home consumption
02 ○ Mainly home consumption, but some sale
03 ○ Mainly sale, but some home consumption
04 ○ Only for sale
05 ○ Customary practices
06 ○ Other purposes

---

FC3. Does the household cut toddy?

SINGLE-SELECT    toddy

01 ○ Yes
02 ○ No

---

FC4. How many toddy trees does the household have?

I  Type '0' if they don't have any toddy trees.
E  toddy==1

NUMERIC: INTEGER    toddy_trees

------------------------------

---

9. MODULE J: AGRICULTURE, FISHING, HANDICRAFT, FOOD STOCK & TOURISM
## LIVESTOCK

E  ownacct_activity.Yes.Contains(2)

---

LS1. Is any member of the Household currently raising any of the following LIVESTOCK?

V1  self.Missing.Length == 0
M1  All Yes/No categories have to be asked and filled
V2  ownacct_activity.Yes.Contains(2) && self.Yes.Length != 0
M2  At least one category has to be a 'Yes'. They cannot be all 'No'.

MULTI-SELECT: YES/NO    livestock_list

01 ☐ / ☐ Local pigs
02 ☐ / ☐ Cross-breed pigs
03 ☐ / ☐ Local chickens
04 ☐ / ☐ Cross-breed chickens
05 ☐ / ☐ Others (specify)

---

LS1a. How many OTHER livestocks are you currently raising?

E  livestock_list.Yes.Contains(5)
V1  self.InRange(1,3)
M1  Number of OTHER crops should be between 1-3

NUMERIC: INTEGER    otherlvstck_num

------------------------------

---

LS1a_oth1. Specify the 1st OTHER livestock raised?

E  livestock_list.Yes.Contains(5) && otherlvstck_num.InRange(1,3)

TEXT    other_livestock1

..............................

---

LS1a_oth2. Specify the 2nd OTHER livestock raised?

E  livestock_list.Yes.Contains(5) && otherlvstck_num>=2 && IsAnswered(other_livestock1)

TEXT    other_livestock2

..............................

---

LS1a_oth3. Specify the 3rd OTHER livestock raised?

E  livestock_list.Yes.Contains(5) && otherlvstck_num>=3 && IsAnswered(other_livestock2)

TEXT    other_livestock3

..............................

---

LS1b. How many LOCAL PIGS do you have in your holding?

E  livestock_list.Yes.Contains(1)
V1  self.InRange(1,1000)
M1  Number of local pigs should be between 1-1000

NUMERIC: INTEGER    local_pigs

------------------------------

| | |
|---|---|
| **LS1c. How many CROSS-BREED PIGS do you have in your holding?** | NUMERIC: INTEGER      crossbreed_pigs |
| E   `livestock_list.Yes.Contains(2)`<br>V1   `self.InRange(1,1000)`<br>M1   Number of crossbreed pigs should be between 1-1000 | -------------------------------- |

| | |
|---|---|
| **LS1d. How many LOCAL CHICKENS do you have in your holding?** | NUMERIC: INTEGER      local_chickens |
| E   `livestock_list.Yes.Contains(3)`<br>V1   `self.InRange(1,1000)`<br>M1   Number of local chickens should be between 1-1000 | -------------------------------- |

| | |
|---|---|
| **LS1e. How many CROSS-BREED CHICKENS do you have in your holding?** | NUMERIC: INTEGER      crossbreed_chickens |
| E   `livestock_list.Yes.Contains(4)`<br>V1   `self.InRange(1,1000)`<br>M1   Number of crossbreed chickens should be between 1-1000 | -------------------------------- |

| | |
|---|---|
| **LS1f. How many OTHER livestock do you have in your holding?** | NUMERIC: INTEGER      other_livestock |
| E   `livestock_list.Yes.Contains(5)`<br>V1   `self.InRange(1,1000)`<br>M1   Number of other livestock should be between 1-1000 | -------------------------------- |

| | |
|---|---|
| **LS2. What is the purpose of raising livestocks?** | SINGLE-SELECT      livestock_purpose |
| I   Customary practices includes preserve of traditional knowledge and skills of planting and cultivation, preserve of traditional plants and crops for food in different festive events, provide raw materi<br>And 96 other symbols [6] | 01 ◯ Only for home consumption<br>02 ◯ Mainly home consumption, but some sale<br>03 ◯ Mainly sale, but some home consumption<br>04 ◯ Only for sale<br>05 ◯ Customary practices<br>06 ◯ Other purposes |

| | |
|---|---|
| **LS3. How far is the household pigsty from your neighbour?** | SINGLE-SELECT      pigsty_distance |
| E   `livestock_list.Yes.ContainsAny(1,2)` | 01 ◯ Very close (near)<br>02 ◯ A bit far<br>03 ◯ Very far |

| | |
|---|---|
| **LS4. Does the household clean the pigsty regularly?** | SINGLE-SELECT      pigsty_clean |
| E   `livestock_list.Yes.ContainsAny(1,2)` | 01 ◯ Yes<br>02 ◯ No |

9. MODULE J: AGRICULTURE, FISHING, HANDICRAFT, FOOD STOCK & TOURISM

## FISHING

E   `ownacct_activity.Yes.Contains(3)`

| | |
|---|---|
| **FS0. What is the purpose of fishing?** | SINGLE-SELECT      fishing_purpose |
| | 01 ◯ Only for home consumption<br>02 ◯ Mainly home consumption, but some sale<br>03 ◯ Mainly sale, but some home consumption<br>04 ◯ Only for sale<br>05 ◯ Customary practices<br>06 ◯ Other purposes |

**FS1. What types of fishing methods does this household use?**

I   Please read out each category and record the answer - yes or no
V1   `self.Missing.Length == 0`
M1   All Yes/No categories have to be answered

MULTI-SELECT: YES/NO        trad_fish_method

01 ☐ / ☐   Te uu
02 ☐ / ☐   Te waiboo
03 ☐ / ☐   Te kabwangawaro
04 ☐ / ☐   Te kabora
05 ☐ / ☐   Te kibee

---

**FS1a. Does this household own traditional fish trap (Te Maa, Nei Fish pond)?**

SINGLE-SELECT        fish_trap

01 ◯ Yes
02 ◯ No

---

**FS2. Where does this household normally fish?**

MULTI-SELECT        fish_location

01 ☐ Lagoon
02 ☐ Lagoon flat
03 ☐ Ocean
04 ☐ Reef flat
05 ☐ Outer reef
06 ☐ Other (specify)

---

**FS2_oth. Describe the other place of fishing?**

E   `fish_location.Contains(6)`

TEXT        oth_fish_location

........................................................................

---

**FS3. Does this household own any of the following fishing boats?**

V1   `self.Missing.Length == 0`
M1   All Yes/No categories to be abswered

MULTI-SELECT: YES/NO        fish_boat

01 ☐ / ☐   Wooden fishing boat
02 ☐ / ☐   Aluminium fishing boat
03 ☐ / ☐   Fiberglass boat
04 ☐ / ☐   Canoes
05 ☐ / ☐   Double canoes (outrigger)
06 ☐ / ☐   Other fishing boats

---

**FS3a. How many WOODEN FISHING BOATS does the household own?**

E   `fish_boat.Yes.Contains(1)`
V1   `self.InRange(1,10)`
M1   Number should be between 1-10

NUMERIC: INTEGER        wooden_boat

-------------------------------------

---

**FS3b. How many ALUMINIUM FISHING BOATS does the household own?**

E   `fish_boat.Yes.Contains(2)`
V1   `self.InRange(1,10)`
M1   Number should be between 1-10

NUMERIC: INTEGER        aluminium_boat

-------------------------------------

---

**FS3c. How many FIBERGLASS BOATS does the household own?**

E   `fish_boat.Yes.Contains(3)`
V1   `self.InRange(1,10)`
M1   Number should be between 1-10

NUMERIC: INTEGER        fiberglass_boat

-------------------------------------

---

**FS3d. How many CANOES does the household own?**

E   `fish_boat.Yes.Contains(4)`
V1   `self.InRange(1,10)`
M1   Number should be between 1-10

NUMERIC: INTEGER        canoes

-------------------------------------

| FS3e. How many DOUBLE CANOES does the household own? | NUMERIC: INTEGER | double_canoes |
|---|---|---|
| E `fish_boat.Yes.Contains(5)`<br>V1 `self.InRange(1,10)`<br>M1 Number should be between 1-10 | -------------------------------------------- | |

| FS3f. How many OTHER FISHING BOATS does the household own? | NUMERIC: INTEGER | other_boat |
|---|---|---|
| E `fish_boat.Yes.Contains(6)`<br>V1 `self.InRange(1,10)`<br>M1 Number should be beween 1-10 | -------------------------------------------- | |

| J2. What is the purpose of producing HANDICRAFTS? | SINGLE-SELECT | handicraft |
|---|---|---|
| I Customary practices include fan, mat, coconut oil as a gift in honor of T e Unimaane festive event, dancing costumes, gifts/soveniers etc<br>E `ownacct_activity.Yes.Contains(4)` | 01 ◯ Only for home consumption<br>02 ◯ Mainly home consumption, but some sale<br>03 ◯ Mainly sale, but some home consumption<br>04 ◯ Only for sale<br>05 ◯ Customary Practices<br>06 ◯ Other purposes | |

| J3. Does your household have the following food stock? | MULTI-SELECT: YES/NO | food_stock |
|---|---|---|
| I Please read out each category and record the answer - yes or no<br>V1 `self.Missing.Length == 0`<br>M1 All Yes/No categories have to be answered | 01 ☐ / ☐ Te tuae<br>02 ☐ / ☐ Te tari ni ika<br>03 ☐ / ☐ Te kamwaimwai<br>04 ☐ / ☐ Te kabubu<br>05 ☐ / ☐ Te kabwibwi n mai<br>06 ☐ / ☐ Te kabwibwi n ika | |

STATIC TEXT

*TOURISM PERCEPTION*

| J12. Tourism can have positive and negative impacts on the community. In your opinion, have you benefited from tourism (employment, income, etc)? | SINGLE-SELECT | tourism_benefit |
|---|---|---|
| | 01 ◯ Yes<br>02 ◯ No | |

| J13. Kiribati culture is one of the attractions many visitors want to experience while in Kiribati. In your opinion, do you think tourism has a positive or a negative impact on our culture? | SINGLE-SELECT | tourism_impact |
|---|---|---|
| | 01 ◯ Positive impact<br>02 ◯ Negative impact<br>03 ◯ Don't know | |

| J14. There are multiple tourist activities (fishing, swimming, snorkeling, sightseeing, birdwatching, village tours, etc) undertaken by visitors while in Kiribati. Have you experienced any disturbances while they carry out these activities? | SINGLE-SELECT | tourism_disturbance |
|---|---|---|
| | 01 ◯ Yes<br>02 ◯ No<br>03 ◯ Don't know | |

| J15. The Tourism Authority of Kiribati (TAK) conducts a radio awareness announcement on Radio Kiribati once a month. Have you heard any of these announcements? | SINGLE-SELECT | tourism_announce |
|---|---|---|
| | 01 ◯ Yes<br>02 ◯ No | |

| | | |
|---|---|---|
| J16. Do you follow the TAK on any of its social media platforms? | MULTI-SELECT: YES/NO | tourism_socialmedia |
| V1   self.Missing.Length == 0 | 01 ☐ / ☐   Facebook | |
| M1   All Yes/No categories have to be asked and filled | 02 ☐ / ☐   Instagram | |
| | 03 ☐ / ☐   Linkein | |
| | 04 ☐ / ☐   Other platform (specify) | |

| | | |
|---|---|---|
| J16_oth. Specify the other social media platforms? | TEXT | oth_socialmedia |
| E   tourism_socialmedia.Yes.Contains(4) | ......................................................... | |

| | | |
|---|---|---|
| J17. Are you willing to assist in maintaining the cleanliness of our cultural and historical sites to promote tourism? | SINGLE-SELECT | tourism_promotion |
| | 01 ◯   Yes | |
| | 02 ◯   No | |

# MODULE K: ENVIRONMENT

E  `dwelling_type==1 && occupancy==1`

---

K1. Has anyone from this household has eaten the following fishes in the last 12 months?

V1  `self.Missing.Length == 0`
M1  All Yes/No categories have to be asked and filled

MULTI-SELECT: YES/NO          eat_fish
01 ☐ / ☐   Turtle
02 ☐ / ☐   Shark
03 ☐ / ☐   Bonefish

---

K2. Has any Household member cut any of the following trees in the last 12 months to build local houses?

V1  `self.Missing.Length == 0`
M1  All Yes/No categories have to be asked and filled

MULTI-SELECT: YES/NO          cut_trees
01 ☐ / ☐   Te tongo
02 ☐ / ☐   Te nii
03 ☐ / ☐   Te ngea
04 ☐ / ☐   Te mao
05 ☐ / ☐   Te uri
06 ☐ / ☐   Te kaina

---

K3. Do you see waste as a problem on your Island?

SINGLE-SELECT          waste_problem
01 ○ Yes
02 ○ No

---

K4. State reason(s) of wastes being a problem?

E  `waste_problem==1`

MULTI-SELECT          waste_reason
01 ☐ Unhygienic (source of illness)
02 ☐ Bad smell
03 ☐ Source of insects (including mosquitoes)
04 ☐ Bad sight
05 ☐ Other (specify)

---

K4_oth. Describe other reason of waste problem?

E  `waste_reason.Contains(5)`

TEXT          oth_waste_problem

........................................................................................

---

# 10. GPS + PHOTO

## 13a. Please record the location of this household or institution. FOLLOW THE RULES BELOW:

I   General rules: 1. GPS cannot be taken inside a building. 2. When you turn the GPS/location mode on wait at least 1 minute before trying to take a location. You will get a validation error if the accu
   [And 297 other symbols \[7\]](#)

V1  `buildingGPS.Accuracy < 30`

M1  Accuracy needs to be less than 30m, try collecting the GPS again. If necessary go into settings and set GPS to less than 30m

GPS                                            buildingGPS

N   - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

W   - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

A   - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

## 13b. Please take a photo of the front of the dwelling. FOLLOW THE RULES BELOW:

I   Take photo of the front of the dwelling: 1. House - take FULLVIEW of the front of the house, make sure entrance/door can be seen 2. Apartments - take entrance to apartment block. One photo must be tak
   [And 115 other symbols \[8\]](#)

PICTURE                                             photo

# APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

[1] month_dob: P3b. What is &lt;font color="blue"&gt; %rostertitle%'s &lt;/font&gt; MONTH of birth?
Validation Condition:

```
(self.InList(1,3,5,7,8,10,12) && day_dob.InRange(1,31)) ||
(self.InList(4,6,9,11) && day_dob.InRange(1,30)) ||
(self==2 && day_dob.InRange(1,29)) ||
(self==99 && (day_dob.InRange(1,31) || day_dob==99)) ||
(day_dob==99 && self.InList(1,2,3,4,5,6,7,8,9,10,11,12,99))
```

Validation Message: Day is inconsistent with month ...please check !!!

[2] age: P3d. What is &lt;font color="blue"&gt; %rostertitle%'s &lt;/font&gt; age, in completed years?
Validation Condition:

```
self.InRange(0,110)
```

Validation Message: Age must be between 0 and 110
Validation Condition:

```
((self == 2020 - year_dob) &&
((year_dob<=2019 && month_dob.InRange(1,10)) ||
(year_dob<=2019 && month_dob==11 && day_dob<=7) ||
(year_dob==2020))) ||

((self == 2020 - year_dob - 1) &&
((year_dob<=2019 && month_dob==12) ||
(year_dob<=2019 && month_dob==11 && day_dob>7))) ||

((age == 2020 - year_dob) && (day_dob==99 || month_dob==99))
```

Validation Message: Age (day, month and year of birth) is inconsistent to the Census Night date - November 7th, 2020

[3] level_attending: D6. At this level, which grade is %rostertitle% attending during the current school year?
Validation Condition:

```
!(self.InRange(1,3) && (age < 3 || age > 5))
```

Validation Message: This person is %age% years old and is inconsistent with Pre-school age, which should be between 3-5. Change either the age or level of schooling
Validation Condition:

```
!(self == 11 && (age < 5 || age > 7)) &&
!(self == 12 && (age < 6 || age > 8)) &&
!(self == 13 && (age < 7 || age > 9)) &&
!(self == 14 && (age < 8 || age > 10)) &&
!(self == 15 && (age < 9 || age > 11)) &&
!(self == 16 && (age < 10 || age > 12))
```

Validation Message: This person is %age% years old and is inconsistent with this Primary Level. Change either the age or level of schooling
Validation Condition:

```
!(self == 21 && (age < 11 || age > 13)) &&
!(self == 22 && (age < 12 || age > 14)) &&
!(self == 23 && (age < 13 || age > 15)) &&
!(self == 24 && (age < 14 || age > 16)) &&
!(self == 25 && (age < 15 || age > 17)) &&
!(self == 26 && (age < 16 || age > 18)) &&
!(self == 27 && (age < 17 || age > 22))
```

Validation Message: This person is %age% years old and is inconsistent with this secondary school level. Please confirm !!
Validation Condition:

```
!(self < grade_completed)
```

Validation Message: Current level %current_level% cannot be lower than level completed %grade_completed%
Validation Condition:

```
!(self.InRange(31,33) && (age < 16))
```

Validation Message: This person is %age% years old and is inconsistent with this vocational level. Please confirm !!
Validation Condition:

```
!(self == 41 && (age < 18)) &&
!(self == 42 && (age < 18)) &&
!(self == 43 && (age < 19)) &&
!(self == 44 && (age < 21)) &&
!(self == 45 && (age < 25))
```

Validation Message: This person is %age% years old and is inconsistent with this tertiary level. Please confirm !!

# APPENDIX B — INSTRUCTIONS

[1]  occupancy: IF1. What is the occupancy status of the dwelling?

For option 2 & 3, you will need to revisit the dwelling for 2-3 times to confirm if there is no appropriate respondent or they refused to be interviewed. You may need your Supervisor to assist you on this. Likewise for vacant households, you may have to revisit to confirm if occupants are away for a long time.

[2]  member_list: P1. Please list the FULL NAMES of all persons living in this household/institution during Census Night?

Please give me the full names (first name then surname) of each person who was sleeping here the night of 7th November 2020, including visitors and all persons staying here who have no other home. Do not include persons who usually reside here, but were staying elsewhere in Kiribati on Census night as they will be counted at that location. NOTE: The first person listed should the Household Head : The Head or acting head is the person with primary authority and responsibility for HH affairs and is, in the majority of cases, its chief economic support. IMPORTANT: If two people have the same first name, add a middle initial

[3]  age: P3d. What is <font color="blue"> %rostertitle%'s </font> age, in completed years?

Age in completed years. Enter 0 for child under 1 year of age. Age range is 0-110. Note that there is a check on the age against the Census Night date - November 7th, 2020. Anyone born after 7th November in a particular year will have 1 less year of age. eg, date of birth 18Dec2000 will have age 16, whereas, date of birth 18March2000 will have age 17. For Missing day (99) or missing month (99), age is calculated by year (2020 minus year of birth)

[4]  lf7: E7. What is the main activity of the place where <font color="blue"> %rostertitle% </font> work?

Write the main activity of the establishment and main products or services provided –eg. [Police Department –public safety; Restaurant – preparing and serving meals; Transport company –long distance transport of goods]

[5]  crop_purpose: FC2. What is the purpose of growing the food crops?

Customary practices includes preserve of traditional knowledge and skills of planting and cultivation, preserve of traditional plants and crops for food in different festive events, provide raw materials for local medicine, local buildings/ local architectural arts, craftmanship and handicrafts)

[6]  livestock_purpose: LS2. What is the purpose of raising livestocks?

Customary practices includes preserve of traditional knowledge and skills of planting and cultivation, preserve of traditional plants and crops for food in different festive events, provide raw materials for local medicine, local buildings/ local architectural arts, craftmanship and handicrafts)

[7]  buildingGPS: 13a. Please record the location of this household or institution. FOLLOW THE RULES BELOW:

General rules: 1. GPS cannot be taken inside a building. 2. When you turn the GPS/location mode on wait at least 1 minute before trying to take a location. You will get a validation error if the accuracy is not better than 30m. Stand on the same spot and press the GPS button again. 3. Stand at least 30m away from the wall of a building 4. Make sure you can see the sky 5. Don't stand under a tree unless there is no other option You will need to try at least a few times to capture the points.

[8]  photo: 13b. Please take a photo of the front of the dwelling. FOLLOW THE RULES BELOW:

Take photo of the front of the dwelling: 1. House - take FULLVIEW of the front of the house, make sure entrance/door can be seen 2. Apartments - take entrance to apartment block. One photo must be taken for EVERY apartment in the block. 3. Prison - take the front/entrance. 4. Hotel/Motel - take the front/entrance.

# APPENDIX C — CATEGORIES

[1] island: ID1. Please enter the ISLAND
Categories: 1：Banaba, 2：Makin, 3：Butaritari, 4：Marakei, 5：Abaiang, 6：North Tarawa, 7：South Tarawa, 8：Maiana, 9：Abemama, 10：Kuria, 11：Aranuka, 12：Nonouti, 13：North Tabiteuea, 14：South Tabiteuea, 15：Beru, 16：Nikunau, 17：Onotoa, 18：Tamana, 19：Arorae, 20：Teeraina, 21：Tabuaeran, 22：Kiritimati, 23：Kanton

[2] village: ID2. Please select VILLAGE
Categories: 101：101 - Tabewa, 102：102 - Antereen, 103：103 - Uma, 201：201 - Makin, 202：202 - Kiebu, 301：301 - Kuma, 302：302 - Keuea, 303：303 - Tanimainiku, 304：304 - Tanimaiaki, 305：305 - Tabonuea, 306：306 - Antekana, 307：307 - Taubukinmeang, 308：308 - Temanokunuea, 309：309 - Onomaru, 310：310 - Ukiangang, 311：311 - Bikaati, 401：401 - Rawannawi, 402：402 - Temotu, 403：403 - Buota, 404：404 - Tekarakan, 405：405 - Bainuna, 406：406 - Norauea, 407：407 - Tekuanga, 408：408 - Antai, 501：501 - Nuotaea, 502：502 - Ribono, 503：503 - Takarano, 504：504 - Ubanteman, 505：505 - Tebunginako, 506：506 - Borotiam, 507：507 - Aonobuaka, 508：508 - Koinawa, 509：509 - Morikao, 510：510 - Ewena, 511：511 - Taburao, 512：512 - Tebero, 513：513 - Tabwiroa, 514：514 - Tuarabu, 515：515 - Tanimaiaki, 516：516 - Tebanga, 517：517 - Aoneaba, 518：518 - Tabontebike, 601：601 - Buariki, 602：602 - Tearinibai, 603：603 - Nuatabu, 604：604 - Tebwangaroi, 605：605 - Taratai, 606：606 - Nooto, 607：607 - Abaokoro, 608：608 - Marenanuka, 609：609 - Tabonibara, 610：610 - Kainaba, 611：611 - Nabeina, 612：612 - Tabiteuea, 613：613 - Abatao, 614：614 - Buota, 701：701 - Tanaea, 702：702 - Bonriki, 703：703 - Temaiku, 704：704 - Ananau Causeway, 705：705 - Bikenibeu, 706：706 - Abarao, 707：707 - Eita, 708：708 - Tangintebu, 709：709 - Taborio, 710：710 - Ambo, 711：711 - Banraeaba, 712：712 - Antebuka, 713：713 - Teaoraereke, 714：714 - Nanikai, 715：715 - Bairiki, 716：716 - Betio_East, 801：801 - Tebikerai, 802：802 - Tekaranga, 803：803 - Tematantongo, 804：804 - Aobike, 805：805 - Tebanga, 806：806 - Temwangaua, 807：807 - Toora, 808：808 - Tebwangetua, 809：809 - Teitai, 810：810 - Tebiauea, 811：811 - Raweai, 812：812 - Bubutei, 901：901 - Abatiku, 902：902 - Tabiang, 903：903 - Tekatirirake, 904：904 - Tanimainiku, 905：905 - Kauma, 906：906 - Baretoa, 907：907 - Tabontebike, 908：908 - Kariatebike, 909：909 - Bangotantekabaia, 910：910 - Tebanga, 911：911 - Manoku, 912：912 - Kabangaki, 913：913 - Bike, 914：914 - Karekentekabaia, 1001：1001 - Oneeke, 1002：1002 - Marenaua, 1003：1003 - Tabontebike, 1004：1004 - Buariki, 1005：1005 - Norauea, 1006：1006 - Bouatoa, 1101：1101 - Takaeang, 1102：1102 - Buariki, 1103：1103 - Baurua, 1201：1201 - Abamakoro, 1202：1202 - Benuaroa, 1203：1203 - Teuaba, 1204：1204 - Temanoku, 1205：1205 - Rotuma, 1206：1206 - Autukia, 1207：1207 - Matang, 1208：1208 - Taboiaki, 1209：1209 - Temotu, 1301：1301 - Tekabwibwi, 1302：1302 - Tekaman, 1303：1303 - Tanaeang, 1304：1304 - Buota, 1305：1305 - Terikiai, 1306：1306 - Eita, 1307：1307 - Utiroa, 1308：1308 - Tauma, 1309：1309 - Kabuna, 1310：1310 - Tenatorua, 1311：1311 - Bangai, 1312：1312 - Aiwa, 1401：1401 - Tewai, 1402：1402 - Taungaeaka, 1403：1403 - Buariki, 1404：1404 - Nikutoru, 1405：1405 - Katabanga, 1406：1406 - Taku, 1501：1501 - Autukia, 1502：1502 - Tabiang, 1503：1503 - Aoniman, 1504：1504 - Rongorongo, 1505：1505 - Nuka, 1506：1506 - Teteirio, 1507：1507 - Taubukinberu, 1508：1508 - Eriko, 1509：1509 - Taboiaki, 1601：1601 - Muribenua, 1602：1602 - Tabutoa, 1603：1603 - Rungata, 1604：1604 - Manriki, 1605：1605 - Nikumanu, 1606：1606 - Tabomatang, 1701：1701 - Tekawa, 1702：1702 - Tanaeang, 1703：1703 - Buariki, 1704：1704 - Temao, 1705：1705 - Otowae, 1706：1706 - Aiaki, 1707：1707 - Tabuarorae, 1801：1801 - Bakarawa, 1802：1802 - Bakaka, 1803：1803 - Barebuka, 1901：1901 - Tamaroa, 1902：1902 - Roreti, 2001：2001 - Abaiang, 2002：2002 - Kauamwemwe, 2003：2003 - Uteute, 2004：2004 - kaaitara, 2005：2005 - Tangkore, 2006：2006 - Matanibike, 2007：2007 - Arabata, 2008：2008 - Mwakeitari, 2009：2009 - Onauea, 2102：2102 - Tereitaki, 2103：2103 - Betania, 2104：2104 - Paelau, 2105：2105 - Aontenaa, 2106：2106 - Tenenebo, 2107：2107 - Tereitannano, 2108：2108 - Aramari, 2109：2109 - Mwanuku, 2201：2201 - London, 2202：2202 - Tabwakea, 2203：2203 - Banana, 2204：2204 - Poland, 2301：2301 - Kanton

[3] ea_number: ID3. Please enter the EA No.
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[4] birthplace: P9. What is <font color="blue"> %rostertitle%'s </font> place of birth?
Categories: 1:Banaba, 2:Makin, 3:Butaritari, 4:Marakei, 5:Abaiang, 6:North Tarawa, 7:South Tarawa, 8:Maiana, 9:Abemama, 10:Kuria, 11:Aranuka, 12:Nonouti, 13:North Tabiteuea, 14:South Tabiteuea, 15:Beru, 16:Nikunau, 17:Onotoa, 18:Tamana, 19:Arorae, 20:Teeraina, 21:Tabuaeran, 22:Kiritimati, 23:Kanton, 24:Overseas

[5] previous_place: P13. What was <font color="blue"> %rostertitle%'s </font> previous place of residence?
Categories: 1:Banaba, 2:Makin, 3:Butaritari, 4:Marakei, 5:Abaiang, 6:North Tarawa, 7:South Tarawa, 8:Maiana, 9:Abemama, 10:Kuria, 11:Aranuka, 12:Nonouti, 13:North Tabiteuea, 14:South Tabiteuea, 15:Beru, 16:Nikunau, 17:Onotoa, 18:Tamana, 19:Arorae, 20:Teeraina, 21:Tabuaeran, 22:Kiritimati, 23:Kanton, 24:Overseas

[6] current_usual_residence: P16. What is <font color="blue"> %rostertitle%'s </font> usual place of Residence?
Categories: 1:Banaba, 2:Makin, 3:Butaritari, 4:Marakei, 5:Abaiang, 6:North Tarawa, 7:South Tarawa, 8:Maiana, 9:Abemama, 10:Kuria, 11:Aranuka, 12:Nonouti, 13:North Tabiteuea, 14:South Tabiteuea, 15:Beru, 16:Nikunau, 17:Onotoa, 18:Tamana, 19:Arorae, 20:Teeraina, 21:Tabuaeran, 22:Kiritimati, 23:Kanton, 24:Overseas

[7] home_island: P15. Where does <font color="blue"> %rostertitle% </font> consider as %hisHer% home island?
Categories: 1:Banaba, 2:Makin, 3:Butaritari, 4:Marakei, 5:Abaiang, 6:North Tarawa, 7:South Tarawa, 8:Maiana, 9:Abemama, 10:Kuria, 11:Aranuka, 12:Nonouti, 13:North Tabiteuea, 14:South Tabiteuea, 15:Beru, 16:Nikunau, 17:Onotoa, 18:Tamana, 19:Arorae, 20:Teeraina, 21:Tabuaeran, 22:Kiritimati, 23:Kanton, 24:Overseas

[8] residence_2015: P17. What was <font color="blue"> %rostertitle%'s </font> place of residence during the last census of 2015?
Categories: 1:Banaba, 2:Makin, 3:Butaritari, 4:Marakei, 5:Abaiang, 6:North Tarawa, 7:South Tarawa, 8:Maiana, 9:Abemama, 10:Kuria, 11:Aranuka, 12:Nonouti, 13:North Tabiteuea, 14:South Tabiteuea, 15:Beru, 16:Nikunau, 17:Onotoa, 18:Tamana, 19:Arorae, 20:Teeraina, 21:Tabuaeran, 22:Kiritimati, 23:Kanton, 24:Overseas

[9] grade_completed: D3. What is the highest grade %rostertitle% completed at this level?
Categories: 1:Pre-school Year 1, 2:Pre-school Year 2, 3:Pre-school Year 3, 11:Class 1, 12:Class 2, 13:Class 3, 14:Class 4, 15:Class 5, 16:Class 6, 21:Form 1, 22:Form 2, 23:Form 3, 24:Form 4, 25:Form 5, 26:Form 6, 27:Form 7, 31:Vocational - Year 1, 32:Vocational - Year 2, 33:Voc

ational - Year 3, 41: Certificate, 42: Diploma, 43: Degree, 44: Masters, 45: PhD, 51: Other

[10] level_attending: D6. At this level, which grade is %rostertitle% attending during the current school year?
Categories: 1: Pre-school Year 1, 2: Pre-school Year 2, 3: Pre-school Year 3, 11: Class 1, 12: Class 2, 13: Class 3, 14: Class 4, 15: Class 5, 16: Class 6, 21: Form 1, 22: Form 2, 23: Form 3, 24: Form 4, 25: Form 5, 26: Form 6, 27: Form 7, 31: Vocational - Year 1, 32: Vocational - Year 2, 33: Vocational - Year 3, 41: Certificate, 42: Diploma, 43: Degree, 44: Masters, 45: PhD, 51: Other

[11] lf6a: E6a. Please search and code for the occupation (ISCO)
Categories: 1111: Legislators, 1112: Senior government officials Minister, 1113: Traditional chiefs and heads of village Kaupule, 1114: Senior officials of special-interest organizations Consulate, 1120: Managing directors and chief executives, 1211: Finance managers, 1212: Human resource managers, 1213: Policy and planning managers, 1219: Business services and administration managers not elsewhere classified, 1221: Sales and marketing managers, 1222: Advertising and public relations managers, 1223: Research and development managers, 1311: Agricultural and forestry production managers, 1312: Aquaculture and fisheries production managers, 1321: Manufacturing managers, 1322: Mining managers, 1323: Construction managers, 1324: Supply, distribution and related managers, 1330: Information and communications technology service managers, 1341: Child care services managers, 1342: Health services managers, 1343: Aged care services managers, 1344: Social welfare managers, 1345: Education managers Principal, 1346: Financial and insurance services branch managers, 1349: Professional services managers not elsewhere classified, 1411: Hotel managers, 1412: Restaurant managers, 1420: Retail and wholesale trade managers, 1431: Sports, recreation and cultural centre managers, 1439: Services managers not elsewhere classified, 2111: Physicists and astronomers, 2112: Meteorologists, 2113: Chemists, 2114: Geologists and geophysicists, 2120: Mathematicians, actuaries and statisticians, 2131: Biologists, botanists, zoologists and related professionals, 2132: Farming, forestry and fisheries advisers, 2133: Environmental protection professionals, 2141: Industrial and production engineers, 2142: Civil engineers, 2143: Environmental engineers, 2144: Mechanical engineers, 2145: Chemical engineers, 2146: Mining engineers, metallurgists and related professionals, 2149: Engineering professionals not elsewhere classified, 2151: Electrical engineers, 2152: Electronics engineers, 2153: Telecommunications engineers, 2161: Building architects, 2162: Landscape architects, 2163: Product and garment designers, 2164: Town and traffic planners, 2165: Cartographers and surveyors, 2166: Graphic and multimedia designers, 2211: Generalist medical practitioners, 2212: Specialist medical practitioners, 2221: Nursing professionals, 2222: Midwifery professionals, 2230: Traditional and complementary medicine professionals, 2240: Paramedical practitioners, 2250: Veterinarians, 2261: Dentists, 2262: Pharmacists, 2263: Environmental and occupational health and hygiene professionals, 2264: Physiotherapists, 2265: Dieticians and nutritionists, 2266: Audiologists and speech therapists, 2267: Optometrists and ophthalmic opticians, 2269: Health professionals not elsewhere classified, 2310: University and higher education teachers, 2320: Vocational education teachers, 2330: Secondary education teachers, 2341: Primary school teachers, 2342: Early childhood educators, 2351: Education methods specialists, 2352: Special needs teachers, 2353: Other language teachers, 2354: Other music teachers, 2355: Other arts teachers, 2356: Information technology trainers, 2359: Teaching professionals not elsewhere classified, 2411: Accountants, 2412: Financial and investment advisers, 2413: Financial analysts, 2421: Management and organization analysts, 2422: Policy administration professionals, 2423: Personnel and careers professionals, 2424: Training and staff development professionals, 2431: Advertising and marketing professionals, 2432: Public relations professionals, 2433: Technical and medical sales professionals (excluding ICT), 2434: Information and communications technology sales professionals, 2511: Systems analysts, 2512: Software developers, 2513: Web and multimedia developers, 2514: Applications programmers, 2519: Software and applications developers and analysts not elsewhere classified, 2521: Database designers and administrators, 2522: Systems administrators, 2523: Computer network professionals, 2529: Database and network professionals not elsewhere classified, 2611: Lawyers, 2612: Judges, 2619: Legal professionals not elsewhere classified, 2621: Archivists and curators, 2622: Librarians and related information professionals, 2631: Economists, 2632: Sociologists, anthropologists and related professionals, 2633: Philosophers, historians and political scientists, 2634: Psychologists, 2635: Social work and counselling professionals, 2636: Religious professionals, 2641: Authors and related writers, 2642: Journalists, 2643: Translators, interpreters and other linguists, 2651: Visual artists, 2652: Musicians, singers and composers, 2653: Dancers and choreographers, 2654: Film, stage and related directors and producers, 2655: Actors, 2656: Announcers on radio, television and other media, 2659: Creative and performing artists not elsewhere classified, 3111: Chemical and physical science technicians, 3112: Civil engineering technicians, 3113: Electrical engineering technicians, 3114: Electronics engineering technicians, 3115: Mechanical engineering technicians, 3116: Chemical engineering technicians, 3117: Mining and metallurgical technicians, 3118: Draughtspersons, 3119: Physical and engineering science technicians not elsewhere classified, 3121: Mining supervisors, 3122: Manufacturing supervisors, 3123: Construction supervisors, 3131: Power production plant operators, 3132: Incinerator and water treatment plant operators, 3133: Chemical processing plant controllers, 3134: Petroleum and natural gas refining plant operators, 3135: Metal production process controllers, 3139: Process control technicians not elsewhere classified, 3141: Life science technicians (excluding medical), 3142: Agricultural technicians, 3143: Forestry technicians, 3151: Ships' engineers, 3152: Ships' deck officers and pilots, 3153: Aircraft pilots and related associate professionals, 3154: Air traffic controllers, 3155: Air traffic safety electronics technicians, 3211: Medical imaging and therapeutic equipment technicians, 3212: Medical and pathology laboratory technicians, 3213: Pharmaceutical technicians and assistants, 3214: Medical and dental prosthetic technicians, 3221: Nursing associate professionals, 3222: Midwifery associate professionals, 3230: Traditional and complementary medicine associate professionals, 3240: Veterinary technicians and assistants, 3251: Dental assistants and therapists, 3252: Medical records and health information technicians, 3253: Community health workers, 3254: Dispensing opticians, 3255: Physiotherapy technicians and assistants, 3256: Medical assistants, 3257: Environmental and occupational health inspectors and associates, 3258: Ambulance workers, 3259: Health associate professionals not elsewhere classified, 3311: Securities and finance dealers and brokers, 3312: Credit and loans officers, 3313: Accounting associate professionals, 3314: Statistical, mathematical and related associate professionals, 3315: Valuers and loss assessors, 3321: Insurance representatives, 3322: Commercial sales representatives, 3323: Buyers, 3324: Trade brokers, 3331: Clearing and forwarding agents, 3332: Conference and event planners, 3333: Employment agents and contractors, 3334: Real estate agents and property managers, 3339: Business services agents not elsewhere classified, 3341: Office supervisors, 3342: Legal secretaries, 3343: Administrative and executive secretaries, 3344: Medical secretaries, 3351: Customs and border inspectors, 3352: Government tax and excise officials Custom officer, 3353: Government social benefits officials, 3354: Government licensing officials, 3355: Police inspectors and detectives, 3359: Regulatory government associate professionals not elsewhere classified Observer, 3411: Legal and Related Associate Professionals, 3412: Social work associate professionals, 3413: Religious associate professionals, 3421: Athletes and sports players, 3422: Sports coaches, instructors and officials, 3423: Fitness and recreation instructors and program leaders, 3431: Photographers, 3432: Interior designers and decorators, 3433: Gallery, museum and library technicians, 3434: Chefs, 3435: Other artistic and cultural associate professionals, 3511: Information and communications technology operations technicians, 3512: Information and communications technology user support technicians, 3513: Computer network and systems technicians, 3514: Web technicians, 3521: Broadcasting and audio-visual technicians, 3522: Telecommunications engineering technicians, 4110: General office clerks, 4120: Secretaries (general), 4131: Typists and word processing operators, 4132: Data entry clerks, 4211: Bank tellers and related clerks, 4212: Bookmakers, croupiers and related gaming workers, 4213: Pawnbrokers and money-lenders, 4214: Debt-collectors and related workers, 4221: Travel consultants and clerks, 4222: Contact centre information clerks, 4223: Telephone switchboard operators, 4224: Hotel receptionists, 4225: Enquiry clerks, 4226: Receptionists (general), 4227: Survey and market research interviewers, 4229: Client information workers not elsewhere classified, 4311: Accounting and bookkeeping clerks, 4312: Statistical, finance and insurance clerks, 4313: Payroll clerks, 4321: Stock clerks, 4322: Production clerks, 4323: Transport clerks, 4411: Library clerks, 4412: Mail carriers and sorting clerks, 4413: Coding, proof-reading and related clerks, 4414: Scribes and related workers, 4415: Filing and copying clerks, 4416: Personnel clerks, 4419: Clerical support workers not elsewhere classified, 5111: Travel attendants and travel stewards, 5112: Transport conductors, 5113: Travel guides, 5120: Cooks, 5131: Waiters, 5132: Bartenders, 5141: Hairdressers, 5142: Beauticians

and related workers, 5151: Cleaning and housekeeping supervisors in offices, hotels and other establishments, 5152: Domestic housekeepers, 5153: Building caretakers, 5161: Astrologers, fortune-tellers and related workers, 5162: Companions and valets, 5163: Undertakers and embalmers, 5164: Pet groomers and animal care workers, 5165: Driving instructors, 5169: Personal services workers not elsewhere classified, 5211: Stall and market salespersons, 5212: Street food salespersons, 5221: Shop keepers, 5222: Shop supervisors, 5223: Shop sales assistants, 5230: Cashiers and ticket clerks, 5241: Fashion and other models, 5242: Sales demonstrators, 5243: Door to door salespersons, 5244: Contact centre salespersons, 5245: Service station attendants, 5246: Food service counter attendants, 5249: Sales workers not elsewhere classified, 5311: Child care workers, 5312: Teachers' aides, 5321: Health care assistants, 5322: Home-based personal care workers, 5329: Personal care workers in health services not elsewhere classified, 5411: Fire-fighters, 5412: Police officers, 5413: Prison guards, 5414: Security guards, 5419: Protective services workers not elsewhere classified, 6111: Field crop and vegetable growers, 6112: Tree and shrub crop growers Toddy Coconut Breadfruit Pandanus, 6113: Gardeners, horticultural and nursery growers, 6114: Mixed crop growers, 6121: Livestock and dairy producers, 6122: Poultry producers Chicken Pig, 6123: Apiarists and sericulturists, 6129: Animal producers not elsewhere classified, 6130: Mixed crop and animal producers Chicken Toddy Pig, 6210: Forestry and related workers, 6221: Aquaculture workers, 6222: Inland and coastal waters fishery workers, 6223: Deep-sea fishery workers, 6224: Hunters and trappers, 6310: Subsistence crop farmers Toddy, 6320: Subsistence livestock farmers Chicken Pig, 6330: Subsistence mixed crop and livestock farmers Chicken Toddy Pig, 6340: Subsistence fishers, hunters, trappers and gatherers, 7111: House builders, 7112: Bricklayers and related workers, 7113: Stonemasons, stone cutters, splitters and carvers, 7114: Concrete placers, concrete finishers and related workers, 7115: Carpenters and joiners, 7119: Building frame and related trades workers not elsewhere classified, 7121: Roofers, 7122: Floor layers and tile setters, 7123: Plasterers, 7124: Insulation workers, 7125: Glaziers, 7126: Plumbers and pipe fitters, 7127: Air conditioning and refrigeration mechanics, 7131: Painters and related workers, 7132: Spray painters and varnishers, 7133: Building structure cleaners, 7211: Metal moulders and coremakers, 7212: Welders and flamecutters, 7213: Sheet-metal workers, 7214: Structural-metal preparers and erectors, 7215: Riggers and cable splicers, 7221: Blacksmiths, hammersmiths and forging press workers, 7222: Toolmakers and related workers, 7223: Metal working machine tool setters and operators, 7224: Metal polishers, wheel grinders and tool sharpeners, 7231: Motor vehicle mechanics and repairers, 7232: Aircraft engine mechanics and repairers, 7233: Agricultural and industrial machinery mechanics and repairers, 7234: Bicycle and related repairers, 7311: Precision-instrument makers and repairers, 7312: Musical instrument makers and tuners, 7313: Jewellery and precious-metal workers, 7314: Potters and related workers, 7315: Glass makers, cutters, grinders and finishers, 7316: Sign writers, decorative painters, engravers and etchers, 7317: Handicraft workers in wood, leaves, and related materials - weaved mats, baskets, fans; wood carvings, titi makers, 7318: Handicraft workers in textile, leather and related materials - sulu, print maker, 7319: Handicraft workers not elsewhere classified - Mataili makers, Tui Misa, Tui Pule, Tui Puka, 7321: Pre-press technicians, 7322: Printers, 7323: Print finishing and binding workers, 7411: Building and related electricians, 7412: Electrical mechanics and fitters, 7413: Electrical line installers and repairers, 7421: Electronics mechanics and servicers, 7422: Information and communications technology installers and servicers, 7511: Butchers, fishmongers and related food preparers, 7512: Bakers, pastry-cooks and confectionery makers, 7513: Dairy-products makers, 7514: Fruit, vegetable and related preservers, 7515: Food and beverage tasters and graders, 7516: Tobacco preparers and tobacco products makers, 7521: Wood treaters, 7522: Cabinet-makers and related workers, 7523: Woodworking-machine tool setters and operators, 7531: Tailors, dressmakers, furriers and hatters, 7532: Garment and related pattern-makers and cutters, 7533: Sewing, embroidery and related workers, 7534: Upholsterers and related workers, 7535: Pelt dressers, tanners and fellmongers, 7536: Shoemakers and related workers, 7541: Underwater divers, 7542: Shotfirers and blasters, 7543: Product graders and testers (excluding foods and beverages), 7544: Fumigators and other pest and weed controllers, 7549: Craft and related workers not elsewhere classified, 8111: Miners and quarriers, 8112: Mineral and stone processing plant operators, 8113: Well drillers and borers and related workers, 8114: Cement, stone and other mineral products machine operators, 8121: Metal processing plant operators, 8122: Metal finishing, plating and coating machine operators, 8131: Chemical products plant and machine operators, 8132: Photographic products machine operators, 8141: Rubber products machine operators, 8142: Plastic products machine operators, 8143: Paper products machine operators, 8151: Fibre preparing, spinning and winding machine operators, 8152: Weaving and knitting machine operators, 8153: Sewing machine operators, 8154: Bleaching, dyeing and fabric cleaning machine operators, 8155: Fur and leather preparing machine operators, 8156: Shoemaking and related machine operators, 8157: Laundry machine operators, 8159: Textile, fur and leather products machine operators not elsewhere classified, 8160: Food and related products machine operators, 8171: Pulp and papermaking plant operators, 8172: Wood processing plant operators, 8181: Glass and ceramics plant operators, 8182: Steam engine and boiler operators, 8183: Packing, bottling and labelling machine operators, 8189: Stationary plant and machine operators not elsewhere classified, 8211: Mechanical machinery assemblers, 8212: Electrical and electronic equipment assemblers, 8219: Assemblers not elsewhere classified, 8311: Locomotive engine drivers, 8312: Railway brake, signal and switch operators, 8321: Motorcycle drivers, 8322: Car, taxi and van drivers, 8331: Bus and tram drivers, 8332: Heavy truck and lorry drivers, 8341: Mobile farm and forestry plant operators, 8342: Earthmoving and related plant operators, 8343: Crane, hoist and related plant operators, 8344: Lifting truck operators, 8350: Ships' deck crews and related workers, 9111: Domestic cleaners and helpers, 9112: Cleaners and helpers in offices, hotels and other establishments, 9121: Hand launderers and pressers, 9122: Vehicle cleaners, 9123: Window cleaners, 9129: Other cleaning workers, 9211: Crop farm labourers, 9212: Livestock farm labourers, 9213: Mixed crop and livestock farm labourers, 9214: Garden and horticultural labourers, 9215: Forestry labourers, 9216: Fishery and aquaculture labourers, 9311: Mining and quarrying labourers, 9312: Civil engineering labourers, 9313: Building construction labourers, 9321: Hand packers Fruit Packer, 9329: Manufacturing labourers not elsewhere classified, 9331: Hand and pedal vehicle drivers, 9332: Drivers of animal-drawn vehicles and machinery, 9333: Freight handlers Cargo Boys, 9334: Shelf fillers, 9411: Fast food preparers, 9412: Kitchen helpers, 9510: Street and related service workers, 9520: Street vendors (excluding food), 9611: Garbage and recycling collectors, 9612: Refuse sorters, 9613: Sweepers and related labourers, 9621: Messengers, package deliverers and luggage porters, 9622: Odd job persons, 9623: Meter readers and vending-machine collectors, 9624: Water and firewood collectors, 9629: Elementary workers not elsewhere classified, 110: Commissioned armed forces officers, 210: Non-commissioned armed forces officers, 310: Armed forces occupations, other ranks, 9999: Missing

[12] If7a: E7a. Please search and code (ISIC)
Categories: 111: Growing of cereals (except rice), leguminous crops and oil seeds, 112: Growing of rice, 113: Growing of vegetables and melons, roots and tubers, 114: Growing of sugar cane, 115: Growing of tobacco, 116: Growing of fibre crops, 119: Growing of other non-perennial crops, 121: Growing of grapes, 122: Growing of tropical and subtropical fruits, 123: Growing of citrus fruits, 124: Growing of pome fruits and stone fruits, 125: Growing of other tree and bush fruits and nuts, 126: Growing of oleaginous fruits, 127: Growing of beverage crops, 128: Growing of spices, aromatic, drug and pharmaceutical crops, 129: Growing of other perennial crops, 130: Plant propagation, 141: Raising of cattle and buffaloes, 142: Raising of horses and other equines, 143: Raising of camels and camelids, 144: Raising of sheep and goats, 145: Raising of swine/pigs, 146: Raising of poultry, 149: Raising of other animals, 150: Mixed farming, 161: Support activities for crop production, 162: Support activities for animal production, 163: Post-harvest crop activities, 164: Seed processing for propagation, 170: Hunting, trapping and related service activities, 210: Silviculture and other forestry activities, 220: Logging, 230: Gathering of non-wood forest products, 240: Support services to forestry, 311: Marine fishing, 312: Freshwater fishing, 321: Marine aquaculture, 322: Freshwater aquaculture, 510: Mining of hard coal, 520: Mining of lignite, 610: Extraction of crude petroleum, 620: Extraction of natural gas, 710: Mining of iron ores, 721: Mining of uranium and thorium ores, 729: Mining of other non-ferrous metal ores, 810: Quarrying of stone, sand and clay, 891: Mining of chemical and fertilizer minerals, 892: Extraction of peat, 893: Extraction of salt, 899: Other mining and quarrying n.e.c., 910: Support activities for petroleum and natural gas extraction, 990: Support activities for other mining and quarrying, 1010: Processing and preserving of meat, 1020: Processing and preserving of fish, crustaceans and molluscs, 1030: Processing and preserving of fruit and vegetables, 1040: Manufacture of vegetable and animal oils and fats, 1050: Manufacture of dairy products, 1061: Manufacture of grain mill products, 1062: Manufacture of starches and starch products, 1071: Manufacture of bakery pr

oducts, 1072: Manufacture of sugar, 1073: Manufacture of cocoa, chocolate and sugar confectionery, 1074: Manufacture of macaroni, noodles, couscous and similar farinaceous products, 1075: Manufacture of prepared meals and dishes, 1079: Manufacture of other food products n.e.c., 1080: Manufacture of prepared animal feeds, 1101: Distilling, rectifying and blending of spirits, 1102: Manufacture of wines, 1103: Manufacture of malt liquors and malt, 1104: Manufacture of soft drinks; production of mineral waters and other bottled waters, 1200: Manufacture of tobacco products, 1311: Preparation and spinning of textile fibres, 1312: Weaving of textiles, 1313: Finishing of textiles, 1391: Manufacture of knitted and crocheted fabrics, 1392: Manufacture of made-up textile articles, except apparel, 1393: Manufacture of carpets and rugs, 1394: Manufacture of cordage, rope, twine and netting, 1399: Manufacture of other textiles n.e.c., 1410: Manufacture of wearing apparel, except fur apparel, 1420: Manufacture of articles of fur, 1430: Manufacture of knitted and crocheted apparel, 1511: Tanning and dressing of leather; dressing and dyeing of fur, 1512: Manufacture of luggage, handbags and the like, saddlery and harness, 1520: Manufacture of footwear, 1610: Sawmilling and planing of wood, 1621: Manufacture of veneer sheets and wood-based panels, 1622: Manufacture of builders' carpentry and joinery, 1623: Manufacture of wooden containers, 1629: Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials, 1701: Manufacture of pulp, paper and paperboard, 1702: Manufacture of corrugated paper and paperboard and of containers of paper and paperboard, 1709: Manufacture of other articles of paper and paperboard, 1811: Printing, 1812: Service activities related to printing, 1820: Reproduction of recorded media, 1910: Manufacture of coke oven products, 1920: Manufacture of refined petroleum products, 2011: Manufacture of basic chemicals, 2012: Manufacture of fertilizers and nitrogen compounds, 2013: Manufacture of plastics and synthetic rubber in primary forms, 2021: Manufacture of pesticides and other agrochemical products, 2022: Manufacture of paints, varnishes and similar coatings, printing ink and mastics, 2023: Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations, 2029: Manufacture of other chemical products n.e.c., 2030: Manufacture of man-made fibres, 2100: Manufacture of pharmaceuticals, medicinal chemical and botanical products, 2211: Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres, 2219: Manufacture of other rubber products, 2220: Manufacture of plastics products, 2310: Manufacture of glass and glass products, 2391: Manufacture of refractory products, 2392: Manufacture of clay building materials, 2393: Manufacture of other porcelain and ceramic products, 2394: Manufacture of cement, lime and plaster, 2395: Manufacture of articles of concrete, cement and plaster, 2396: Cutting, shaping and finishing of stone, 2399: Manufacture of other non-metallic mineral products n.e.c., 2410: Manufacture of basic iron and steel, 2420: Manufacture of basic precious and other non-ferrous metals, 2431: Casting of iron and steel, 2432: Casting of non-ferrous metals, 2511: Manufacture of structural metal products, 2512: Manufacture of tanks, reservoirs and containers of metal, 2513: Manufacture of steam generators, except central heating hot water boilers, 2520: Manufacture of weapons and ammunition, 2591: Forging, pressing, stamping and roll-forming of metal; powder metallurgy, 2592: Treatment and coating of metals; machining, 2593: Manufacture of cutlery, hand tools and general hardware, 2599: Manufacture of other fabricated metal products n.e.c., 2610: Manufacture of electronic components and boards, 2620: Manufacture of computers and peripheral equipment, 2630: Manufacture of communication equipment, 2640: Manufacture of consumer electronics, 2651: Manufacture of measuring, testing, navigating and control equipment, 2652: Manufacture of watches and clocks, 2660: Manufacture of irradiation, electromedical and electrotherapeutic equipment, 2670: Manufacture of optical instruments and photographic equipment, 2680: Manufacture of magnetic and optical media, 2710: Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus, 2720: Manufacture of batteries and accumulators, 2731: Manufacture of fibre optic cables, 2732: Manufacture of other electronic and electric wires and cables, 2733: Manufacture of wiring devices, 2740: Manufacture of electric lighting equipment, 2750: Manufacture of domestic appliances, 2790: Manufacture of other electrical equipment, 2811: Manufacture of engines and turbines, except aircraft, vehicle and cycle engines, 2812: Manufacture of fluid power equipment, 2813: Manufacture of other pumps, compressors, taps and valves, 2814: Manufacture of bearings, gears, gearing and driving elements, 2815: Manufacture of ovens, furnaces and furnace burners, 2816: Manufacture of lifting and handling equipment, 2817: Manufacture of office machinery and equipment (except computers and peripheral equipment), 2818: Manufacture of power-driven hand tools, 2819: Manufacture of other general-purpose machinery, 2821: Manufacture of agricultural and forestry machinery, 2822: Manufacture of metal-forming machinery and machine tools, 2823: Manufacture of machinery for metallurgy, 2824: Manufacture of machinery for mining, quarrying and construction, 2825: Manufacture of machinery for food, beverage and tobacco processing, 2826: Manufacture of machinery for textile, apparel and leather production, 2829: Manufacture of other special-purpose machinery, 2910: Manufacture of motor vehicles, 2920: Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers, 2930: Manufacture of parts and accessories for motor vehicles, 3011: Building of ships and floating structures, 3012: Building of pleasure and sporting boats, 3020: Manufacture of railway locomotives and rolling stock, 3030: Manufacture of air and spacecraft and related machinery, 3040: Manufacture of military fighting vehicles, 3091: Manufacture of motorcycles, 3092: Manufacture of bicycles and invalid carriages, 3099: Manufacture of other transport equipment n.e.c., 3100: Manufacture of furniture, 3211: Manufacture of jewellery and related articles, 3212: Manufacture of imitation jewellery and related articles, 3220: Manufacture of musical instruments, 3230: Manufacture of sports goods, 3240: Manufacture of games and toys, 3250: Manufacture of medical and dental instruments and supplies, 3290: Other manufacturing n.e.c., 3311: Repair of fabricated metal products, 3312: Repair of machinery, 3313: Repair of electronic and optical equipment, 3314: Repair of electrical equipment, 3315: Repair of transport equipment, except motor vehicles, 3319: Repair of other equipment, 3320: Installation of industrial machinery and equipment, 3510: Electric power generation, transmission and distribution, 3520: Manufacture of gas; distribution of gaseous fuels through mains, 3530: Steam and air conditioning supply, 3600: Water collection, treatment and supply, 3700: Sewerage, 3811: Collection of non-hazardous waste, 3812: Collection of hazardous waste, 3821: Treatment and disposal of non-hazardous waste, 3822: Treatment and disposal of hazardous waste, 3830: Materials recovery, 3900: Remediation activities and other waste management services, 4100: Construction of buildings, 4210: Construction of roads and railways, 4220: Construction of utility projects, 4290: Construction of other civil engineering projects, 4311: Demolition, 4312: Site preparation, 4321: Electrical installation, 4322: Plumbing, heat and air-conditioning installation, 4329: Other construction installation, 4330: Building completion and finishing, 4390: Other specialized construction activities, 4510: Sale of motor vehicles, 4520: Maintenance and repair of motor vehicles, 4530: Sale of motor vehicle parts and accessories, 4540: Sale, maintenance and repair of motorcycles and related parts and accessories, 4610: Wholesale on a fee or contract basis, 4620: Wholesale of agricultural raw materials and live animals, 4630: Wholesale of food, beverages and tobacco, 4641: Wholesale of textiles, clothing and footwear, 4649: Wholesale of other household goods, 4651: Wholesale of computers, computer peripheral equipment and software, 4652: Wholesale of electronic and telecommunications equipment and parts, 4653: Wholesale of agricultural machinery, equipment and supplies, 4659: Wholesale of other machinery and equipment, 4661: Wholesale of solid, liquid and gaseous fuels and related products, 4662: Wholesale of metals and metal ores, 4663: Wholesale of construction materials, hardware, plumbing and heating equipment and supplies, 4669: Wholesale of waste and scrap and other products n.e.c., 4690: Non-specialized wholesale trade, 4711: Retail sale in non-specialized stores with food, beverages or tobacco predominating, 4719: Other retail sale in non-specialized stores, 4721: Retail sale of food in specialized stores, 4722: Retail sale of beverages in specialized stores, 4723: Retail sale of tobacco products in specialized stores, 4730: Retail sale of automotive fuel in specialized stores, 4741: Retail sale of computers, peripheral units, software and telecommunications equipment in specialized stores, 4742: Retail sale of audio and video equipment in specialized stores, 4751: Retail sale of textiles in specialized stores, 4752: Retail sale of hardware, paints and glass in specialized stores, 4753: Retail sale of carpets, rugs, wall and floor coverings in specialized stores, 4759: Retail sale of electrical household appliances, furniture, lighting equipment and other household articles in specialized stores, 4761: Retail sale of books, newspapers and stationary in specialized stores, 4762: Retail sale of music and video recordings in specialized stores, 4763: Retail sale of sporting equipment in specialized stores, 4764: Retail sale of games and toys in specialized stores, 4771: Retail sale of clothing, footwear and leather articles in specialized stores, 4772: Retail sale of pharmaceutical and medical goods, cosmetic and toilet articles in specialized stores, 4773: Other retail sale of new goods in specialized stores, 4774: Retail sale of second-hand goods, 4781: Retail sale via stalls and markets of food, beverages and tobacco products, 4782: Retail sale via stalls and markets of textiles, clothing and footwear, 4789: Retail sale via stalls and markets of other goods, 4791: Retail sale via mail order houses or via Internet, 4799: Other retail sale not in stores, stalls or markets, 4911: Passenger rail transport, interurban, 4912: Freight rail transport, 4921: Urban and suburban p

assenger land transport, 4922:Other passenger land transport, 4923:Freight transport by road, 4930:Transport via pipeline, 5011:Sea and coastal passenger water transport, 5012:Sea and coastal freight water transport, 5021:Inland passenger water transport, 5022:Inland freight water transport, 5110:Passenger air transport, 5120:Freight air transport, 5210:Warehousing and storage, 5221:Service activities incidental to land transportation, 5222:Service activities incidental to water transportation, 5223:Service activities incidental to air transportation, 5224:Cargo handling, 5229:Other transportation support activities, 5310:Postal activities, 5320:Courier activities, 5510:Short term accommodation activities, 5520:Camping grounds, recreational vehicle parks and trailer parks, 5590:Other accommodation, 5610:Restaurants and mobile food service activities, 5621:Event catering, 5629:Other food service activities, 5630:Beverage serving activities, 5811:Book publishing, 5812:Publishing of directories and mailing lists, 5813:Publishing of newspapers, journals and periodicals, 5819:Other publishing activities, 5820:Software publishing, 5911:Motion picture, video and television programme production activities, 5912:Motion picture, video and television programme post-production activities, 5913:Motion picture, video and television programme distribution activities, 5914:Motion picture projection activities, 5920:Sound recording and music publishing activities, 6010:Radio broadcasting, 6020:Television programming and broadcasting activities, 6110:Wired telecommunications activities, 6120:Wireless telecommunications activities, 6130:Satellite telecommunications activities, 6190:Other telecommunications activities, 6201:Computer programming activities, 6202:Computer consultancy and computer facilities management activities, 6209:Other information technology and computer service activities, 6311:Data processing, hosting and related activities, 6312:Web portals, 6391:News agency activities, 6399:Other information service activities n.e.c., 6411:Central banking, 6419:Other monetary intermediation, 6420:Activities of holding companies, 6430:Trusts, funds and similar financial entities, 6491:Financial leasing, 6492:Other credit granting, 6499:Other financial service activities, except insurance and pension funding activities, n.e.c., 6511:Life insurance, 6512:Non-life insurance, 6520:Reinsurance, 6530:Pension funding, 6611:Administration of financial markets, 6612:Security and commodity contracts brokerage, 6619:Other activities auxiliary to financial service activities, 6621:Risk and damage evaluation, 6622:Activities of insurance agents and brokers, 6629:Other activities auxiliary to insurance and pension funding, 6630:Fund management activities, 6810:Real estate activities with own or leased property, 6820:Real estate activities on a fee or contract basis, 6910:Legal activities, 6920:Accounting, bookkeeping and auditing activities; tax consultancy, 7010:Activities of head offices, 7020:Management consultancy activities, 7110:Architectural and engineering activities and related technical consultancy, 7120:Technical testing and analysis, 7210:Research and experimental development on natural sciences and engineering, 7220:Research and experimental development on social sciences and humanities, 7310:Advertising, 7320:Market research and public opinion polling, 7410:Specialized design activities, 7420:Photographic activities, 7490:Other professional, scientific and technical activities n.e.c., 7500:Veterinary activities, 7710:Renting and leasing of motor vehicles, 7721:Renting and leasing of recreational and sports goods, 7722:Renting of video tapes and disks, 7729:Renting and leasing of other personal and household goods, 7730:Renting and leasing of other machinery, equipment and tangible goods, 7740:Leasing of intellectual property and similar products, except copyrighted works, 7810:Activities of employment placement agencies, 7820:Temporary employment agency activities, 7830:Other human resources provision, 7911:Travel agency activities, 7912:Tour operator activities, 7990:Other reservation service and related activities, 8010:Private security activities, 8020:Security systems service activities, 8030:Investigation activities, 8110:Combined facilities support activities, 8121:General cleaning of buildings, 8129:Other building and industrial cleaning activities, 8130:Landscape care and maintenance service activities, 8211:Combined office administrative service activities, 8219:Photocopying, document preparation and other specialized office support activities, 8220:Activities of call centres, 8230:Organization of conventions and trade shows, 8291:Activities of collection agencies and credit bureaus, 8292:Packaging activities, 8299:Other business support service activities n.e.c., 8411:General public administration activities, 8412:Regulation of the activities of providing health care, education, cultural services and other social services, excluding social security, 8413:Regulation of and contribution to more efficient operation of businesses, 8421:Foreign affairs, 8422:Defence activities, 8423:Public order and safety activities, 8430:Compulsory social security activities, 8510:Pre-primary and primary education, 8521:General secondary education, 8522:Technical and vocational secondary education, 8530:Higher education, 8541:Sports and recreation education, 8542:Cultural education, 8549:Other education n.e.c., 8550:Educational support activities, 8610:Hospital activities, 8620:Medical and dental practice activities, 8690:Other human health activities, 8710:Residential nursing care facilities, 8720:Residential care activities for mental retardation, mental health and substance abuse, 8730:Residential care activities for the elderly and disabled, 8790:Other residential care activities, 8810:Social work activities without accommodation for the elderly and disabled, 8890:Other social work activities without accommodation, 9000:Creative, arts and entertainment activities, 9101:Library and archives activities, 9102:Museums activities and operation of historical sites and buildings, 9103:Botanical and zoological gardens and nature reserves activities, 9200:Gambling and betting activities, 9311:Operation of sports facilities, 9312:Activities of sports clubs, 9319:Other sports activities, 9321:Activities of amusement parks and theme parks, 9329:Other amusement and recreation activities n.e.c., 9411:Activities of business and employers membership organizations, 9412:Activities of professional membership organizations, 9420:Activities of trade unions, 9491:Activities of religious organizations, 9492:Activities of political organizations, 9499:Activities of other membership organizations n.e.c., 9511:Repair of computers and peripheral equipment, 9512:Repair of communication equipment, 9521:Repair of consumer electronics, 9522:Repair of household appliances and home and garden equipment, 9523:Repair of footwear and leather goods, 9524:Repair of furniture and home furnishings, 9529:Repair of other personal and household goods, 9601:Washing and (dry-) cleaning of textile and fur products, 9602:Hairdressing and other beauty treatment, 9603:Funeral and related activities, 9609:Other personal service activities n.e.c., 9700:Activities of households as employers of domestic personnel, 9810:Undifferentiated goods-producing activities of private households for own use, 9820:Undifferentiated service-producing activities of private households for own use, 9900:Activities of extraterritorial organizations and bodies, 9999:MISSING

[13] hhld_goods: I15. Does your HH have any of the following goods?
Categories: 1:Car, 2:Truck, 3:Van, 4:Motor bike/Scooter, 5:Bicycle, 6:Refrigerator, 7:Kerosene stove, 8:Electric stove, 9:Gas stove, 10:Electric kettle, 11:Electric rice cooker, 12:Washing machine, 13:Sewing machine, 14:Water tanks, 15:Fan, 16:Oven, 17:Generator, 18:Solar panel systems/equipment, 19:Television, 20:CD/DVD player, 21:Bluetooth speaker, 22:Cordless phones, 23:Computers (Desktop/Laptop), 24:Tablet

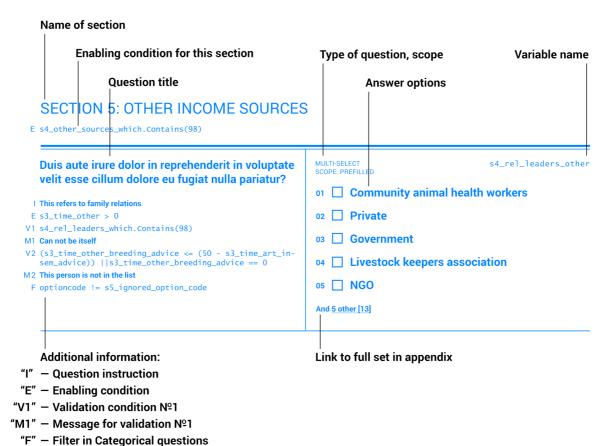[14] solar_powered: I15y. Which appliances are powered by solar?
Categories: 1:Car, 2:Truck, 3:Van, 4:Motor bike/Scooter, 5:Bicycle, 6:Refrigerator, 7:Kerosene stove, 8:Electric stove, 9:Gas stove, 10:Electric kettle, 11:Electric rice cooker, 12:Washing machine, 13:Sewing machine, 14:Water tanks, 15:Fan, 16:Oven, 17:Generator, 18:Solar panel systems/equipment, 19:Television, 20:CD/DVD player, 21:Bluetooth speaker, 22:Cordless phones, 23:Computers (Desktop/Laptop), 24:Tablet
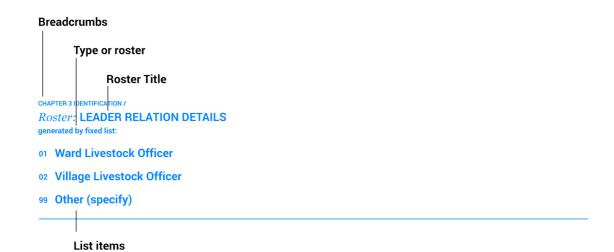
# *LEGEND*

## Legend and structure of information in this file

**Name of section**

**Enabling condition for this section**          **Type of question, scope**          **Variable name**

**Question title**          **Answer options**

### SECTION 5: OTHER INCOME SOURCES
E s4_other_sources_which.Contains(98)

**Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur?**

MULTI-SELECT
SCOPE: PREFILLED                                          s4_rel_leaders_other

I **This refers to family relations**
E s3_time_other > 0
V1 s4_rel_leaders_which.Contains(98)
M1 **Can not be itself**
V2 (s3_time_other_breeding_advice <= (50 - s3_time_art_in-
   sem_advice)) ||s3_time_other_breeding_advice == 0
M2 **This person is not in the list**
F optioncode != s5_ignored_option_code

01 ☐ **Community animal health workers**

02 ☐ **Private**

03 ☐ **Government**

04 ☐ **Livestock keepers association**

05 ☐ **NGO**

And **5 other [13]**

**Additional information:**          **Link to full set in appendix**
"I" — Question instruction
"E" — Enabling condition
"V1" — Validation condition №1
"M1" — Message for validation №1
"F" — Filter in Categorical questions

**Breadcrumbs**

**Type or roster**

**Roster Title**

CHAPTER 3 IDENTIFICATION /
*Roster*: **LEADER RELATION DETAILS**
generated by fixed list:

01 **Ward Livestock Officer**

02 **Village Livestock Officer**

99 **Other (specify)**

**List items**