Generated by ashwinikalantri, Jan 23, 2020 08:41
Questionnaire created by ashwinikalantri, Jul 15, 2019 15:17
Last modified by ashwinikalantri, Sep 23, 2019 10:02

Shared with:
HDSSmgims last edited 7/15/2019 3:17:36 PM

Sections: 4, Sub-sections: 0, Questions: 94.
Questions with enabling conditions: 33
Questions with validation conditions:9
Rosters: 1
Variables: 1

Survey Solutions

Sevagram HDSS - Baseline

SURVEY IDENTIFICATION INFORMATION
QUESTIONNAIRE DESCRIPTION

[redacted]

No sub-sections, No rosters, Questions: 7.

[redacted]

No sub-sections, No rosters, Questions: 4, Static texts: 1.

[redacted]

No sub-sections, Rosters: 1, Questions: 36, Static texts: 1, Variables: 1.

[redacted]

No sub-sections, No rosters, Questions: 47, Static texts: 1.

APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

APPENDIX B — CATEGORIES

LEGEND

SURVEY IDENTIFICATION INFORMATION QUESTIONNAIRE DESCRIPTION

Basic information

Title Sevagram HDSS - Baseline

Survey data information

Study type Demographic and Health Survey

Kind of data Census/enumeration data [cen]

Mode of Data Collection CAPI

Survey information

Country India

Year 2019

■■■■■■■ ■■■■■

■■■■■■ ■■■■ ■■■■■■■■ ■■■	DATE: CURRENT TIME start_time .....
GPS	GPS gps N W A
■■■■■■■■ ■■■■■■ ■■■■■■	SINGLE-SELECT phc 01 ○ ■■■■ 02 ○ ■■■■■■■ 03 ○ ■■■■■■ 04 ○ ■■■■■ 05 ○ ■■■■
■■■■■■■■	SINGLE-SELECT: CASCADING sc 01 ○ ■■■■ 02 ○ ■■■■■ 03 ○ ■■■■■■ 04 ○ ■■■ 05 ○ ■■■■■■ (■■■■) 06 ○ ■■■■■■ 07 ○ ■■■■■■■ 08 ○ ■■■■■ 09 ○ ■■■■■■■ (■■■■) 10 ○ ■■■■■■ (■■■■) 11 ○ ■■■■ 12 ○ ■■■■■ 13 ○ ■■■■■■■ 14 ○ ■■■■■■ (■■) 15 ○ ■■■■■■■ 16 ○ ■■■■■■ (■■) And 16 other symbols [1]
■■■	SINGLE-SELECT: CASCADING village 001 ○ ■■■■ 002 ○ ■■■■■ ■■■■■■■■ 003 ○ ■■■■ 004 ○ ■■■■ ■■■■■■ 005 ○ ■■■■■ 006 ○ ■■■■■■ 007 ○ ■■■■ 008 ○ ■■■ 009 ○ ■■■■■■ (■■■■■) 010 ○ ■■■■■■ (■■■■■■■) 011 ○ ■■■■■ 012 ○ ■■■■■■ 013 ○ ■■■■■ 014 ○ ■■■■■ (■■■■) 015 ○ ■■■■■■■ 016 ○ ■■■■■■■■■ And 97 other symbols [2]

[redacted]?	SINGLE-SELECT locked 01 ○ [redacted] 02 ○ [redacted]
[redacted] E locked == 1	TEXT hoh_name ....

[redacted]

E IsAnswered(start_time) && IsAnswered(gps) && IsAnswered(phc) && IsAnswered(sc) && IsAnswered(village) && locked==2

[redacted] I [redacted]	TEXT ic_name ....

STATIC TEXT

[redacted]

[redacted] *(HDSS)* [redacted] *HDSS* [redacted] *HDSS* [redacted].

HDSS [redacted] *HDSS* [redacted]

HDSS [redacted]

HDSS [redacted] *HDSS* [redacted]

HDSS [redacted]?	SINGLE-SELECT ic_understood 01 ○ [redacted] 02 ○ [redacted]
HDSS [redacted] \HDSS [redacted]?	SINGLE-SELECT ic_questions 01 ○ [redacted] 02 ○ [redacted]

HDSS ■■■■■ ■■■■■■
■■■■■■■■■■■ ■■■■■■■■■■■
■■■ ■■■■■ ■■■■ ■■?

SINGLE-SELECT ic_consent
01 ○ ■■■
02 ○ ■■■■

■■■■■■■■ ■■■■■■

E IsAnswered(ic_name) && ic_understood == 1 && ic_questions == 2 && ic_consent == 1

■■■■■ ■■■■■■■■■■ ■■■■
■■■■■ ■■■■

TEXT landmark

■■■■■■■■■ ■■■■■ ■■■■■■ ■■■■
■■?

SINGLE-SELECT ration_own
01 ○ ■■■
02 ○ ■■■■

■■■ ■■■■■■■■ ■■■■■ ■■■■■■■■
■■■■■ ■■■■■?

E ration_own == 1

SINGLE-SELECT ration_type
01 ○ ■■■■■■■
02 ○ ■■■■■■■ /■■■■■■
03 ○ ■■■■■■
04 ○ ■■■■■■■■

■■■■ caste ■■■■ ■■■■?

SINGLE-SELECT caste
01 ○ Open
02 ○ O.B.C.
03 ○ S.B.C.
04 ○ S.C.
05 ○ S.T.
06 ○ V.J.
07 ○ N.T.

■■■■ ■■■■ ■■■■■ ■■■■■■■■■■■■■
■■■■■ ■■■■?

V1 (living_since >= 1 && living_since <= 20) || living_since == 98 || living_since == 99 || living_since == 91 || living_since == 92 || living_since == 93

M1 ■■■■■■ ■■ ■■■■■■■ ■■■■■■ ■■■■■■ 1■■ 20■■■■■ ■■■■■■ ■■■■■ ■■■■■■■■■■ ■■■■■

NUMERIC: DECIMAL living_since

SPECIAL VALUES
91 0-3 ■■■■■■
92 3-6 ■■■■■■
93 6-12 ■■■■■■
98 20 ■■■■■■■ ■■■■■■ ■■■■ ■■■
99 ■■■■■■ ■■■■■

■■■■■■■■■■■■ ■■■■■■■ ■■■■■
■■■■ ■■?

SINGLE-SELECT insure
01 ○ ■■■
02 ○ ■■■■

■■■■■■■■ ■■■■■■■■■■■ ■■■■■
■■■■ ■■■■■■ ■■■■?

E insure == 1

MULTI-SELECT insure_type
01 ☐ ■■■■■■■■■
■■■■■■■■■
■■■■■■■■■■ ■■■■■
02 ☐ ■■■■■■ ■■■■■■■■
■■■■■
03 ☐ ■■■■■■■ ■■■■■ ■■■■■
04 ☐ ■■■■

■■■■ ■■■■■■■■ ■■■■■■■■■■
■■■■■ ■■■■ ■■■■■■ ■■■■?

E insure_type.Contains(4)

TEXT insure_other

[redacted]	NUMERIC: INTEGER fmember_no
I [redacted]	

[redacted]

Roster: HOUSEHOLD ROSTER

generated by numeric question fmember_no — hhroster

[redacted]	TEXT fmem_fname
[redacted]	TEXT fmem_mname
[redacted]	TEXT fmem_lname
%fmem_fname% [redacted] ?	SINGLE-SELECT birth_know 01 ○ [redacted] 02 ○ [redacted]
[redacted] E birth_know == 1	DATE dob
%fmem_fname% [redacted] ? E birth_know == 2 V1 age_d > 0 && age_d < 120 M1 Please enter correct age	NUMERIC: INTEGER age_d
VARIABLE start_time.FullYearsSince(dob)	DOUBLE age

STATIC TEXT

E birth_know == 1

%fmem_fname% [redacted] *%age%* [redacted]

[redacted]	SINGLE-SELECT gender 01 ○ [redacted] 02 ○ [redacted]

%fmem_fname% [redacted]

V1 /*---------- Validation to make sure only one person is reported to be the household head ----------*/ relat==1? /// Is this person the h And 199 other symbols [1]

M1 [redacted]

V2 /* Check that head has different gender than spouse(s) */ // if head is current person, and does at least one spouse exist? relat==1 && hhroster.Any(x=>x.relat==2) ? // if so, check that there And 163 other symbols [1]

M2 [redacted]

V3 /* Check that spouse has different gender than head */ // if head is current person, and does at least one spouse exist? relat==2 && hhroster.Any(x=>x.relat==1) ? // if so, check whether spouse And 136 other symbols [1]

M3 [redacted]

V4 //*Check that there are at most 2 parent*// // if current person is father/mother? relat==6? //Check that there are no more than 2 (hhroster.Count(x=>x.relat==6)<=2) // if not, no problem :true

M4 [redacted]

V5 /* Checks if no household head was listed. Note: this runs at the end so it does not trigger errors constantly */ // Check that all information has been filled hhroster.All(x=>x.relat!=null) ? And 119 other symbols [1]

M5 [redacted]

SINGLE-SELECT relat

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]
04 ○ [redacted]
05 ○ [redacted]
06 ○ [redacted]
07 ○ [redacted]
08 ○ [redacted]
09 ○ [redacted]
10 ○ [redacted]
11 ○ [redacted]
12 ○ [redacted]
13 ○ [redacted]

[redacted]

E relat==11

TEXT relat_oth

.....

%fmem_fname% [redacted]

E age > 5 || age_d > 5

V1 education < 13 || education == 98 || education == 99

M1 Please enter a correct value

NUMERIC: INTEGER education

- -

SPECIAL VALUES

98 [redacted]
99 [redacted]

%fmem_fname% [redacted]?

E age >= 15 || age_d >= 15

SINGLE-SELECT marital_status

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]
04 ○ [redacted]
05 ○ [redacted]
06 ○ [redacted]

%fmem_fname% [redacted]?

E age > 5 || age_d > 5

SINGLE-SELECT occupation

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]
04 ○ [redacted]
05 ○ [redacted]
06 ○ [redacted]
07 ○ [redacted]

%fmem_fname% [redacted]?

E age > 10 || age_d > 10

SINGLE-SELECT member

01 ○ [redacted]
02 ○ [redacted]

%fmem_fname% [redacted]

E member == 1

MULTI-SELECT member_which

01 ☐ [redacted]
02 ☐ [redacted] /
[redacted]
03 ☐ [redacted]
04 ☐ [redacted]
05 ☐ [redacted]
[redacted]
06 ☐ [redacted]
(NGO)
07 ☐ [redacted]
[redacted]
08 ☐ [redacted]
09 ☐ [redacted]
10 ☐ [redacted]
[redacted]
[redacted]
11 ☐ [redacted]
12 ☐ [redacted]
13 ☐ [redacted] /
[redacted]
14 ☐ [redacted] /
[redacted]

%fmem_fname% [redacted]?

SINGLE-SELECT phone

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]
04 ○ [redacted]

%fmem_fname% [redacted]

E phone == 1 || phone == 2

TEXT fmem_mno

[redacted]?

E phone == 1

SINGLE-SELECT fmem_internet

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]
04 ○ [redacted]

%fmem_fname% [redacted]?

SINGLE-SELECT res_status

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]

%fmem_fname% [redacted]?

E gender == 2 && ((age >=15 && age <=49) ||(age_d>=15 && age_d <=49))

SINGLE-SELECT menst_status

01 ○ [redacted]
[redacted]
02 ○ [redacted]
[redacted]
03 ○ [redacted]
[redacted]
04 ○ [redacted]

%fmem_fname% [redacted]?

E menst_status == 2

DATE lmp

[redacted]

%fmem_fname% [redacted]?

E marital_status != 1 && gender == 2 && ((age >=15 && age <=49) || (age_d >=15 && age_d <=49))

SINGLE-SELECT pregnant

01 ○ [redacted]
02 ○ [redacted]

%fmem_fname% [illegible] (age >= 15 || age_d >=15)

E marital_status != 1 && gender == 2 && (age >= 15 || age_d >=15)

NUMERIC: INTEGER fmem_g

%fmem_fname% [illegible] 28 [illegible]?

E marital_status != 1 && gender == 2 && (age >=15 ||age_d>=15)

V1 fmem_p <= fmem_g

M1 Please check again

NUMERIC: INTEGER fmem_p

%fmem_fname% [illegible]?

E marital_status != 1 && gender == 2 && (age >=15 ||age_d>=15)

W1 fmem_l <= fmem_p

M1 Please check the value

NUMERIC: INTEGER fmem_l

%fmem_fname% [illegible]?

E marital_status != 1 && gender == 2 && (age >=15 ||age_d>=15)

W1 fmem_a <= fmem_g

M1 Please check the value

W2 (fmem_l + fmem_a) <= fmem_g

M2 Please check the value

NUMERIC: INTEGER fmem_a

%fmem_fname% MGIMS Pregnancy Cohort [illegible]?

E fmem_g > 0 && (phc == 1 || phc == 2 || phc == 3)

SINGLE-SELECT bir_cohort

01 ○ [illegible]

02 ○ [illegible]

Please enter the MGIMS pregnancy cohort ID

E bir_cohort == 1

TEXT bir_cohort_id
SCOPE: SUPERVISOR

[illegible]

E IsAnswered(ic_name) && ic_understood == 1 && ic_questions == 2 && ic_consent == 1

[redacted] [redacted] [redacted] [redacted]
[redacted] [redacted] [redacted] [redacted]
[redacted] [redacted]?

SINGLE-SELECT wi_drink_water

11 ○ [redacted]:
[redacted]
12 ○ [redacted]:
[redacted] /
[redacted]
13 ○ [redacted]
21 ○ [redacted] /[redacted]
31 ○ [redacted]
32 ○ [redacted]
41 ○ [redacted]
42 ○ [redacted]
51 ○ [redacted]
61 ○ [redacted]
71 ○ [redacted]
81 ○ [redacted]
([redacted] /[redacted] /[redacted] /
[redacted] /[redacted] /
[redacted])
91 ○ [redacted]
92 ○ [redacted] R.O.
[redacted]
96 ○ [redacted] ([redacted]
[redacted])

[redacted] [redacted] [redacted] [redacted]

TEXT wi_drink_water_other

E wi_drink_water == 96

[redacted] [redacted] [redacted]
[redacted] [redacted] [redacted] [redacted]?

SINGLE-SELECT wi_toilet

11 ○ [redacted]:[redacted] [redacted]
[redacted]
12 ○ [redacted]:[redacted]
[redacted]
13 ○ [redacted]:[redacted]
[redacted]
14 ○ [redacted]:[redacted]
15 ○ [redacted]:[redacted] [redacted]
[redacted]
21 ○ Ventilated Improved Pit latrine /
Biogas
22 ○ [redacted] [redacted]
[redacted]
23 ○ [redacted] [redacted]
[redacted] [redacted]/[redacted]
[redacted]
31 ○ [redacted]
[redacted] /[redacted]
[redacted]
41 ○ [redacted] [redacted] /
[redacted] [redacted]
61 ○ [redacted] [redacted]
[redacted] /[redacted]
96 ○ [redacted] ([redacted]
[redacted])

[redacted] [redacted] [redacted] [redacted]

TEXT wi_toilet_other

E wi_toilet == 96

STATIC TEXT

[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]?

■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_electricity
■■■ /■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_mattress
■■■■■■ ■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_cooker
■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_chair
■■■ ■■■■■ ■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_bed
■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_table
■■■■■■■■■■ ■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_fan
■■■■■ ■■■■■ ■■■■■■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_radio
■■■■■ ■■■ ■■■■■■ ■■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_bwtv
■■■■■ ■■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_coltv
■■■■■■■■■■ ■■■■■■ /■■■■■ ■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_sewingmach
■■■■■■ ■■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_mob_phone
■■■■■■■ ■■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_ll_phone
■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_internet
■■■■■■■■	SINGLE-SELECT 01 ○ ■■■ 02 ○ ■■■■	wi_computer

■■■■■	SINGLE-SELECT wi_refrigerator 01 ○ ■■■ 02 ○ ■■■■
■■■ ■■■■■■■ (AC)/■■■■	SINGLE-SELECT wi_ac 01 ○ ■■■ 02 ○ ■■■■
■■■■■■ ■■■■	SINGLE-SELECT wi_washmach 01 ○ ■■■ 02 ○ ■■■■
■■■■■■	SINGLE-SELECT wi_clock 01 ○ ■■■ 02 ○ ■■■■
■■■■■	SINGLE-SELECT wi_bicycle 01 ○ ■■■ 02 ○ ■■■■
■■■■■■■■■■ ■■■■■■ ■■■■■■■	SINGLE-SELECT wi_motorcycle 01 ○ ■■■ 02 ○ ■■■■
■■■ ■■■■ /■■■■ ■■■■	SINGLE-SELECT wi_cart 01 ○ ■■■ 02 ○ ■■■■
■■■	SINGLE-SELECT wi_car 01 ○ ■■■ 02 ○ ■■■■
■■■■■■■■ ■■■	SINGLE-SELECT wi_pump 01 ○ ■■■ 02 ○ ■■■■
■■■■■■	SINGLE-SELECT wi_thresher 01 ○ ■■■ 02 ○ ■■■■
■■■■■■■■	SINGLE-SELECT wi_tractor 01 ○ ■■■ 02 ○ ■■■■
■■■■■■ ■■■■■■■■■■ ■■■■■■■■ ■■■■■■■■ ■■■■■■■■■ ■■■■■ ■■■■■■■■?	SINGLE-SELECT wi_cooking_fuel 01 ○ ■■■ 02 ○ ■■■■■■■■■■ 03 ○ ■■■■■■■ ■■■■ 04 ○ ■■■■■■■■ 05 ○ ■■■■■■ /■■■■■■■■ 06 ○ ■■■■■■ 07 ○ ■■■■■■■ 08 ○ ■■■■■ 09 ○ ■■■■■/■■■■■■ /■■■■ 10 ○ ■■■■■ ■■■■ 11 ○ ■■■■ ■■■■ 95 ○ ■■■■ ■■■■■■■ ■■■■ ■■■■■ ■■■■■■■■ ■■■■■ ■■■■■ 96 ○ ■■■■ (■■■■■■■■■■ ■■■■)

■■■■■ ■■■ ■■■■ ■■■■■ E wi_cooking_fuel == 96	TEXT wi_cooking_fuel_other .....
■■■■■■ ■■■■ ■■■■■■■■ ■■■■■ ■■■■■■■ ■■■?	SINGLE-SELECT wi_floor 11 ○ ■■■■■■■■■ ■■ - ■■■■■■ /■■■■■ 12 ○ ■■■■■■■■■ ■■ - ■■■■■ 13 ○ ■■■■■■■■■ ■■ -■■■ 21 ○ ■■■■■■■■ ■■ - ■■■■■■ ■■■■ 22 ○ ■■■■■■■■ ■■ - ■■■■■■■ ■■■■■■■ ■■■■ /■■■■■■ 23 ○ ■■■■■■■■ ■■ -■■■■■ 24 ○ ■■■■■■■■ ■■ -■■■■ 31 ○ ■■■■■ ■■ -■■■■■■ ■■■■■■ 32 ○ ■■■■■ ■■ -■■■■■■■ ■■■■■■ ■■■■■ ■■■■■■■■ 33 ○ ■■■■■ ■■ -■■■■■■■■ ■■■■■■■ 34 ○ ■■■■■ ■■ -■■■■■■■ 35 ○ ■■■■■■ ■■ - ■■■■■■■■ 96 ○ ■■■■ (■■■■■■■■■■ ■■■■)
■■■■■ ■■■ ■■■■■■■■■■ ■■■ E wi_floor == 96	TEXT wi_floor_other .....

[redacted]?

SINGLE-SELECT wi_roof

11 ○ [redacted]

12 ○ [redacted]

13 ○ [redacted]

14 ○ [redacted]

15 ○ [redacted]

21 ○ [redacted]

22 ○ [redacted]

23 ○ [redacted]

24 ○ [redacted]

25 ○ [redacted]

31 ○ [redacted]

32 ○ [redacted]

33 ○ [redacted]

34 ○ [redacted]

35 ○ [redacted]

36 ○ [redacted]

And 4 other symbols [3]

[redacted]

E wi_roof == 96

TEXT wi_roof_other

[redacted]?

SINGLE-SELECT wi_wall

11 ○ [redacted]
12 ○ [redacted]
13 ○ [redacted]
14 ○ [redacted]
21 ○ [redacted]
22 ○ [redacted]
23 ○ [redacted]
24 ○ [redacted]
25 ○ [redacted]
26 ○ [redacted]
31 ○ [redacted]
32 ○ [redacted]
33 ○ [redacted]
34 ○ [redacted]
35 ○ [redacted]
36 ○ [redacted]

And 1 other symbols [4]

[redacted]

E wi_wall == 96

TEXT wi_wall_other

[redacted]

NUMERIC: INTEGER wi_sleeping_room

V1 wi_sleeping_room >= 0
M1 Has to be a positive value
W2 wi_sleeping_room <= 10
M2 Please check the value

[redacted]?

SINGLE-SELECT wi_account

01 ○ [redacted]
02 ○ [redacted]
03 ○ [redacted]

[redacted]?

SINGLE-SELECT wi_loan

01 ○ [redacted]
02 ○ [redacted]

[redacted]?

E wi_loan == 1

MULTI-SELECT wi_loan_type

01 ☐ [redacted]
02 ☐ [redacted]
03 ☐ [redacted]
04 ☐ [redacted]
05 ☐ [redacted]
06 ☐ [redacted]
07 ☐ [redacted]

[redacted]?

SINGLE-SELECT wi_own_land

01 ○ [redacted]
02 ○ [redacted]

[redacted]?

E wi_own_land == 1

NUMERIC: DECIMAL wi_land_size

SPECIAL VALUES
1000 [redacted]

[redacted]?

E wi_own_land == 1
V1 wi_irr_land_size <= wi_land_size
M1 [redacted]

NUMERIC: DECIMAL wi_irr_land_size

SPECIAL VALUES
1000 [redacted]

[redacted]?

SINGLE-SELECT wi_livestock_avail

01 ○ [redacted]
02 ○ [redacted]

[redacted]:

E wi_livestock_avail == 1

MULTI-SELECT wi_livestock

01 ☐ [redacted]
02 ☐ [redacted]
03 ☐ [redacted]
04 ☐ [redacted]
05 ☐ [redacted]
06 ☐ [redacted]

APPENDIX A — VALIDATION CONDITIONS AND MESSAGES

[1] relat: %fmem_fname% ■■ ■■■■■■ ■■■■■■■■■■ ■■■■ ■■■■■

Validation Condition:

```
/*---------------------------------------
Validation to make sure only one person is
reported to be the household head
---------------------------------------*/
relat==1? /// Is this person the household head?
 /// If household head, check that there has
 /// not been another household head reported
 (hhroster.Count(x=>x.relat==1)==1)
 /// If not a household head, then no error
 :true
```

Validation Message: ■■■■ ■■■ ■■■■■■■ ■■■■■■■ ■■■ ■■■■

Validation Condition:

```
/* Check that head has different gender than spouse(s) */

// if head is current person, and does at least one spouse exist?
relat==1 && hhroster.Any(x=>x.relat==2) ?

// if so, check that there is no spouse with a gender different than that of the head
!( hhroster.Any(a=>a.relat==2 && a.gender!=null && a.gender==gender) ) :

// if not, no problem
true
```

Validation Message: ■■■■■■ ■■■■■■■ ■■■ ■■■■■■■■■■ ■■■ /■■■■■■ ■■■■■ ■■■■■■ ■■■■■ ■■■■■ ■■■■■■ ■■ ■■■■

Validation Condition:

```
/* Check that spouse has different gender than head */

// if head is current person, and does at least one spouse exist?
relat==2 && hhroster.Any(x=>x.relat==1) ?

// if so, check whether spouse has different gender than head
!( hhroster.Any(b=>b.relat==1 && b.gender!=null && b.gender==gender) ) :

// if not, no problem
true
```

Validation Message: ■■■■■■ ■■■■■■■ ■■■ ■■■■■■■■■■ ■■■ /■■■■■■ ■■■■■ ■■■■■■ ■■■■■ ■■■■■ ■■■■■■ ■■ ■■■■

Validation Condition:

```
//*Check that there are at most 2 parent*//

// if current person is father/mother?
relat==6?

//Check that there are no more than 2
(hhroster.Count(x=>x.relat==6)<=2)

//if not, no problem
:true
```

Validation Message: ■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■ ■■■■■ ■■■■ ■■ ■■■■ ■■■■ ■■■■■■

Validation Condition:

```
/* Checks if no household head was listed.
Note: this runs at the end so it does not trigger errors constantly */

// Check that all information has been filled
hhroster.All(x=>x.relat!=null) ?
  //  If all information has been filled out, check for a head was listed
  !(hhroster.Count(x=>x.relat==1)==0) :
true
```

Validation Message: ■■■■■■ ■■ ■■■■■■■ ■■■■■■■ ■■■■■■

APPENDIX B — CATEGORIES

[1] sc:
Categories: 1:, 2:, 3:, 4:, 5:, 6:, 7:, 8:, 9:, 10:, 11:, 12:, 13:, 14:, 15:, 16:, 17:, 18:, 19:, 20:, 21:, 22:, 23:, 24:, 25:, 26:, 27:, 28:, 29:, 30:, 31:, 32:

[2] village:
Categories: 1:, 2:, 3:, 4:, 5:, 6:, 7:, 8:, 9:, 10:, 11:, 12:, 13:, 14:, 15:, 16:, 17:, 18:, 19:, 20:, 21:, 22:, 23:, 24:, 25:, 26:, 27:, 28:, 29:, 30:, 31:, 32:, 33:, 34:, 35:, 36:, 37:, 38:, 39:, 40:, 41:, 42:, 43:, 44:, 45:, 46:, 47:, 48:, 49:, 50:, 51:, 52:, 53:, 54:, 55:, 56:, 57:, 58:, 59:, 60:, 61:, 62:, 63:, 64:, 65:, 66:, 67:, 68:, 69:, 70:, 71:, 72:, 73:, 74:, 75:, 76:, 77:, 78:, 79:, 80:, 81:, 82:, 83:, 84:, 85:, 86:, 87:, 88:, 89:, 90:, 91:, 92:, 93:, 94:, 95:, 96:, 97:, 98:, 99:, 100:, 101:, 102:, 103:, 104:, 105:, 106:, 107:, 108:, 109:, 110:, 111:, 112:, 113:

[3] wi_roof:?
Categories: 11:, 12:, 13:, 14:, 15:, 21:, 22:, 23:, 24:, 25:, 31:, 32:, 33:, 34:, 35:, 36:, 37:, 38:, 39:, 96:

[4] wi_wall:?
Categories: 11:, 12:, 13:, 14:, 21:, 22:, 23:, 24:, 25:, 26:, 31:, 32:, 33:, 34:, 35:, 36:, 96:

LEGEND

Legend and structure of information in this file