

UGANDA - GIRLS STUDY
DESCRIPTION OF VARIABLES INCLUDED IN DATABASE
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Notes:

1) In its present status, the GIRLS database includes:

- baseline information:

- questionnaire,
- HIV result(variable HIV),
- syphyllis test result(variable RPR),
- pregnancy test result (variable HCG),
- clinical and lab forms data,
- HPV results,

- Follow-up information:

- Data from the follow-up questionnaires ARE NOT INCLUDED. I do have 4 separate file (one for each of the 4 follow-up visits) but they cannot be merged directly without checking correspondence of ids as they were some identification problem at start of the study. The merge of selected variables of interest should be made carefully later.
- Confirmation of HIV status (variable hivfup) for some girls only.
- HPV result
- Cytology (not complete)

2) The database includes 1,646 observations but only 1275 girls were included in the baseline publication.

Exclusions were due mostly to missing HPV result (variable hpvdnapos) or missing questionnaire (variable girlexclu).

In order to get the same 1275 girls considered in the baseline publication, you have to select on variable "select_paper_baseline"; this is because 5 baseline HPV results have been received late, after the baseline publication(the samples being mixed with the follow-up samples tested later), their HPV result is however updated in the database.

3) In the following list of variables, some are in grey background to show those which should not be useful for you but were essential at time of checking coherence of data.

4) I have added a column for a short description of variables.

The last digit of each follow up variables gives the rank of the follow-up visit. Ex hpvposfup1=follow up visit 1, hpvposfup2=follow up visit 2.....). The rank does not mean any special period after baseline but only that the follow-up HPV results were sorted by date of the visit. So, for one girl hpvposfup1 may record HPV result in the 6 to 12 month period after baseline and for another girl hpvposfup1 record HPV result >24 month after baseline. If a girl had only one follow-up visit, data at rank 2 to 4 are set to missing.

Variables girlvisitextracted1, girlvisitextracted2, girlvisitextracted3 and girlvisitextracted4 gives the type of visit (1=6-12 month after baseline, 2=13-18 month after baseline, 3= 19-24 month after baseline, 4=>24 months after baseline) as recorded in Uganda. Remark: in the follow-up questionnaire the variable "visit" is coded differently (1=baseline, 2=6-12 month after baseline, 3=13-18 month after baseline, 4= 19-24 month after baseline, 5=>24 months after baseline)

The questionnaire data may have some "strange" names, they were given at the time of data entry in Uganda and I kept them unchanged in the database. But variables are in the order of the questionnaire and you should find out their description and different values from the questionnaire itself.

Idem for clinical form and lab form.

However, I create new variables in the attached program which could help you.

H68_73 means either HPV68 or HPV73 (not possible to differentiate)

h39_68_73 means either HPV39, HPV68 or HPV73 (not possible to differentiate)

For most analyse I created a new variable h6873 being positive if either h68 or h73 or h68_73 or h39_68_73 was positive. HPV39 was positive only if h39 was positive (without considering h39_68_73).

5) Beside this document I am sending copy of the protocol, questionnaires, clinical form and lab form and copy of a mail

which will help you understand the coding for the cytology variables and will provide you with the list of types (25) included in the 1st round of HPV test and the list of types (17) included in the 2nd round of HPV test.

variable name	storage type	display format	value label	description of variable
FOR SELECTION OF GIRLS				
hpvcode	double	%9.0g		
girlexclu	float	%26.0g	girlexclu	excluded girls
select_paper_~e	float	%9.0g		
FOLLOW_UP DATA				
FUP_____~_	float	%9.0g		
ddlcode1	str8	%9s		1 sample code given by the lab
hpvposfup1	float	%9.0g		1 HPV positivity
initialfup1	str8	%9s		1 initialfup
ddatefup1	float	%d_dmy		1 date of follow up
hpvtypefup1	str34	%34s		1 HPV type(s) found at 1 st round
subtype16fup1	str19	%19s		1 HPV16E6subtype
subtype18fup1	str6	%9s		
girlvisitextr~1	float	%9.0g		1 rank of follow-up visit
ntihcfup1	str10	%10s		1 ntihcfup
hpvresspf10fup1	str8	%9s		1 type(s) found at 2 nd round
k1	byte	%8.0g)
o1	str5	%9s)
p1	byte	%8.0g) part of cytological diagnosis
a1	byte	%8.0g) (see mail)
c1	byte	%8.0g)
b1	str2	%9s)
pap1	str2	%9s		cytological diagnosis
ddlcode2	str8	%9s		2 ddlcode
hpvposfup2	float	%9.0g		2 hpvposfup
initialfup2	str8	%9s		2 initialfup
ddatefup2	float	%d_dmy		2 ddatefup
hpvtypefup2	str34	%34s		2 hpvtypefup
subtype16fup2	str19	%19s		1 HPV16E6subtype
subtype18fup2	str6	%9s		
hpvfupnum2	float	%9.0g		2 hpvfupnum
girlvisitextr~2	float	%9.0g		2 girlvisitextracted
ntihcfup2	str10	%10s		2 ntihcfup
hpvresspf10fup2	str8	%9s		2 hpvresspf10fup
k2	byte	%8.0g		
o2	str5	%9s		
p2	byte	%8.0g		
a2	byte	%8.0g		
c2	byte	%8.0g		
b2	str2	%9s		
pap2	str2	%9s		
ddlcode3	str8	%9s		3 ddlcode
hpvposfup3	float	%9.0g		3 hpvposfup
initialfup3	str8	%9s		3 initialfup
ddatefup3	float	%d_dmy		3 ddatefup

hpvtypefup3	str34	%34s	3	hpvtypefup
subtype16fup3	str19	%19s	1	HPV16E6subtype
subtype18fup3	str6	%9s		
hpvfupnum3	float	%9.0g	3	hpvfupnum
girlvisitextr~3	float	%9.0g	3	girlvisitextracted
ntihcfup3	str10	%10s	3	ntihcfup
hpvresspf10fup3	str8	%9s	3	hpvresspf10fup
k3	byte	%8.0g		
o3	str5	%9s		
p3	byte	%8.0g		
a3	byte	%8.0g		
c3	byte	%8.0g		
b3	str2	%9s		
pap3	str2	%9s		
ddlcode4	str8	%9s	4	ddlcode
hpvposfup4	float	%9.0g	4	hpvposfup
initialfup4	str8	%9s	4	initialfup
ddatefup4	float	%d_dmy	4	ddatefup
hpvtypefup4	str34	%34s	4	hpvtypefup
subtype18fup1	str3	%9s		
hpvfupnum4	float	%9.0g	4	hpvfupnum
girlvisitextr~4	float	%9.0g	4	girlvisitextracted
ntihcfup4	str10	%10s	4	ntihcfup
hpvresspf10fup4	str8	%9s	4	hpvresspf10fup
k4	byte	%8.0g		
o4	str5	%9s		
p4	byte	%8.0g		
a4	byte	%8.0g		
c4	byte	%8.0g		
b4	str2	%9s		
pap4	str2	%9s		
ddlcode5	str8	%9s	5	ddlcode
hpvposfup5	float	%9.0g	5	hpvposfup
initialfup5	str8	%9s	5	initialfup
ddatefup5	float	%d_dmy	5	ddatefup
hpvtypefup5	str34	%34s	5	hpvtypefup
hpvfupnum5	float	%9.0g	5	hpvfupnum
girlvisitextr~5	float	%9.0g	5	girlvisitextracted
ntihcfup5	str10	%10s	5	ntihcfup
hpvresspf10fup5	str8	%9s	5	hpvresspf10fup
k5	byte	%8.0g		
o5	str5	%9s		
p5	byte	%8.0g		
a5	byte	%8.0g		
c5	byte	%8.0g		
b5	str2	%9s		
pap5	str2	%9s		
PART_____~_	float	%9.0g		
yearlist	float	%9.0g		
ntihc	str13	%13s		
hpvcodelist	float	%9.0g		
ntihclist	str14	%14s		
initiallist	str8	%9s		
datelist	float	%d_dmy		
filter_paper	str1	%9s		
oldhpvcodelist	str8	%9s		
hivreslist	str13	%13s		

hivconflist	str11	%11s
rpulist	str10	%10s
hcglist	str8	%9s
lablist	str18	%18s
vctlist	str10	%10s
accession_num~r	str18	%18s
cd4_cd8	str9	%9s
lyabs	str5	%9s
virallload	str17	%17s
comment	str30	%30s
etoile	float	%9.0g

QUESTIONNAIRE DATA

QUEST_____~_	float	%9.0g
hpvcodequest	float	%9.0g
ntihcquest	str8	%9s
datequest	float	%d
initialquest	str3	%9s
FAMNAME	str3	%3s
HPVNUM	int	%8.0g
NTIHCNUM	str8	%8s
EVERSEX	byte	%8.0g
DATEINT	long	%dD_m_Y
NAMEINT	str13	%13s
LANGQUES	byte	%8.0g
LANGINT	byte	%8.0g
OTHER	str56	%56s
AGE	byte	%8.0g
PLACEBIRTH	str11	%11s
TRIBE	str11	%11s
MARITALSTA	byte	%8.0g
THESAMEHUS	byte	%8.0g
SAMETIMETH	byte	%8.0g
MANYSCH	byte	%8.0g
HIGHEDU	byte	%8.0g
EVERWORK	byte	%8.0g
OCCUPERIOD	byte	%8.0g
RELIGION	byte	%8.0g
N5OTHERSPE	str10	%10s
AREALIVED	byte	%8.0g
OLDMENSTRU	byte	%8.0g
TIME	byte	%8.0g
EVERPREG	byte	%8.0g
OLDPREG	byte	%8.0g
FIRSTFULL	byte	%8.0g

Family Name Initial
 HPV Study Number
 OS/IN NTIHC Number
 Have you ever had sexual
 intercours
 A1. Date of interview
 A2. Name of interviewer
 A3. Language of the
 questionnaire:
 A4. Language used in interview
 8 = Other, Specify
 A5. What is your age
 A6. Where is your place of
 birth?
 A7. What is your tribe ethnic
 grou
 A8. Marital status: Are you now
 (the same husband having more
 than
 same time that you were
 (including
 A11. For how many years did you
 go
 A12. What was the highest
 education
 A13. Have you ever worked?
 A14. IF YES, which was/is your
 occu
 A15. What is your religion?
 5=Other,Specify
 A16. In what kind of area have
 you
 B1. How old were you when you
 start
 age at 1st seual intercourse
 B3. Have you ever been pregnant?
 B4. How old were you when you
 first
 B5. How old were you at your

LASTFULL	byte	%8.0g	first
LIVEBIRTH	byte	%8.0g	B6. How old were you at your last f
STILLBIRTH	byte	%8.0g	B7. How many of your pregnancies fi
EVERDELAY	byte	%8.0g	B8. How many were still births (chi
WHICHMETH1	str33	%33s	B9. Have you ever used a method To delay or avoid pregnancy
ORALPILL	byte	%8.0g	B10a Combined Oral pills
YEARTOTAL	float	%9.0g	10b.2 At what age did you start o
STARTPILL	byte	%8.0g	10c.3 At what age did you stop us
STOPPILL	byte	%8.0g	the brand name
BRANDNAME	str1	%1s	B10b: Prog)esterone only pills
PROGESTERO	byte	%8.0g	l=Ye
TOTAL	byte	%8.0g	
STARTPRO	byte	%8.0g	
STOPPROG	byte	%8.0g	
IUCD	byte	%8.0g	b10c: IUCD
YEARTOTA01	float	%9.0g	
STARTIUD	byte	%8.0g	
STOPIUD	byte	%8.0g	
B10DINJECT	byte	%8.0g	B10d: Injectable (Depo)
YEARTOTA02	float	%9.0g	
STARTINJEC	byte	%8.0g	
STOPINJEC	byte	%8.0g	
NORPLANT	byte	%8.0g	B10e: Norplant
YEARTOTA03	float	%9.0g	
STARTNORP	byte	%8.0g	10e.2 At what age did you start us
STOPNORP	byte	%8.0g	10e.3 At what age did you stop usi
CONDOMS	byte	%8.0g	b10f:Condoms
YRS	byte	%8.0g	
START	byte	%8.0g	
STOP	byte	%8.0g	
LASTMENSTR	byte	%8.0g	B11 When did you have your last menstrues
PREGNOW	byte	%8.0g	B12. Are you pregnant now?
EVERSUFFER	byte	%8.0g	B13 Have you ever suffered from stds
ABDOPAIN	byte	%8.0g	Lower abdominal pain
GENDISCH	byte	%8.0g	Genital discharge
FOULSMELL	byte	%8.0g	Foul smelling discharge
BURNPAIN	byte	%8.0g	Burning pain on passing urine
SWELLGEN	byte	%8.0g	Swelling in genital area
GENWART	byte	%8.0g	Genital warts
GENSORE	byte	%8.0g	Genital sores
GENITCH	byte	%8.0g	Genital itching
NONE	byte	%8.0g	None of the above symptoms
SUFFERSTD	byte	%8.0g	B15. During the last 12 months have
N7TVAGINA1	str37	%37s	

KNOWSMEAR	byte	%8.0g	C1. Do you know what a Pap smear is
HADSMEAR	byte	%8.0g	C2. As far as you know, have you ever had one
MANYSMEARS	byte	%8.0g	C3. Approximately how many Pap Smears you had
SHECOULDBE taken	byte	%8.0g	she could be placed
taken?	byte	%8.0g	since the 1 st smear, how often
ONCE	byte	%8.0g	how old were you when you had regular intercourse
MANYHAD	byte	%8.0g	D2. How many husbands/regular partnER
HUSBANDCIR	byte	%8.0g	D3. Is your husband/regular Partner circoncised
YESCIRCUM	byte	%8.0g	D4. If Yes, all Husband/regular Partner were circonsied?
BEFORE	byte	%8.0g	D4.1 - other wife before becoming your partner
WHILE	byte	%8.0g	D4.2 - other wife while being your partner
BEFORE01	byte	%8.0g	D5.1 - prostitute before becoming your partner
WHILE01	byte	%8.0g	D5.2 - prostitute while being your partner
REGULCON	byte	%8.0g	D7. With your regular partners, Do you use condom
AGESPOU	byte	%8.0g	D8. What is the age of your Regular partner
HIVSPOU	byte	%8.0g	D9 What is the HIV sero of your regular partner
USECOND	byte	%8.0g	D10. Did you use a condom with Your reg part in last intercourse
D74HOWDOYO	byte	%8.0g	D10.1 If Yes, how do you describe The frequency of use in last si casual partners? (1=yes, 2=n0)
HAPPENEDVE	byte	%8.0g	nb of casual partners?
HAD	byte	%8.0g	D14. If you have or had casual Part did you use condom
PARTUSE	byte	%8.0g	D16. total n of partners last12
N12MONTHS months?	byte	%8.0g	D17. lifetime total n partners categories she could belong
INTERCOURS	byte	%8.0g	D18. prostitution
CATEGORI01	byte	%8.0g	D19. frequency of prostitution
EVERPAID	byte	%8.0g	D20. partner ever stds
HASHAPPEN	byte	%8.0g	D20.1. type of partner's stds
SUFFERED	byte	%8.0g	E1. Cigarettes
WHICHFOL	byte	%8.0g	E1a. If yes, on average, how many cig a day
CIGARETTES	byte	%8.0g	E1b. If yes, for how many years in
MANYCIG	byte	%8.0g	E1c. At what age did you start smok
MANYYEAR	str4	%4s	E1d. At what age did you stop smoki
STARTSMO	byte	%8.0g	
STOPSMO	byte	%8.0g	

BANGI	byte	%8.0g	E2 Marijuana/hashish/bangi
MANYTIMES	byte	%8.0g	E2a. If yes, on average, how many t
MANYYEAR01	str7	%7s	E2b. If yes, for how many years in
STARTBANGI	byte	%8.0g	E2c. At what age did you start smok
STOPBANGI	byte	%8.0g	E2d. At what age did you stop smoki
MIRRCATH	byte	%8.0g	E3. Mirrah/Cath
MANYTIME01	byte	%8.0g	E3a. If yes, on average, how many t
MANYYEAR02	str8	%8s	E3b. If yes, for how many years in
STARTMIR	byte	%8.0g	E3c. At what age did you start chew
STOPMIR	byte	%8.0g	E3d. At what age did you stop chewi
USEFIRE	byte	%8.0g	E4. Do you use a wood fire for cook
HOWFREQ	byte	%8.0g	E4b. If yes, how frequently?
USECHAR	byte	%8.0g	E5. Do you use charcoal for cooking
HOWFREQ01	byte	%8.0g	E5a. If yes, how frequently?
CLINICVISI	byte	%8.0g	F1. willing to participate to visits?
PART	byte	%8.0g	F2.for minor,participate in a follow-up study wi
FOLLOWUPST	byte	%8.0g	best way to contact you for follow-up study?
N5OTHERS01	str26	%26s	5 =tel number???
DATETEST	long	%dD_m_Y	F4A.Date of tests
HIV	byte	%8.0g	F4. HIV results at baseline
HCG	byte	%8.0g	F5. HCG results at baseline
RPR	byte	%8.0g	F6. RPR results at baseline

CLINICAL FORM

CLIN_____~_	float	%9.0g	
hpvcodeclin	float	%9.0g	
ntihcclin	str8	%9s	
dateclin	float	%d	
initialclin	str3	%9s	
FAMILYNAME	str3	%3s	Family Name Initial
STUDYNUM	int	%8.0g	HPV Study Number
DATEEXAMIN	long	%dD_m_Y	Date of examination
WARTSPER	byte	%8.0g	A.1 Warts in Perineum/Perineal Are
WARTSVUL	byte	%8.0g	A.2 Warts in the Vulva
WARTSCERVI	byte	%8.0g	B.1 Warts in Cervical Ephithelium
WARTSVAGIN	byte	%8.0g	B.2 Warts in Vagina
SQUAMOSEEN	byte	%8.0g	C.1 Squamocolumnar junction fully
IFYES	byte	%8.0g	C.1.2 Nature of cervix

MULTIPLE	str38	%38s	(6=combination) C.1.3 If several occurrence ,specify
ATYPICAL	byte	%8.0g	C2. Atypical
IFYES01	byte	%8.0g	C2.1 Atypical nature of cervix (8=combination)
MULTIPLE01	str47	%47s	C2.2 If combination,Specify
INTRANEO	byte	%8.0g	C3. Intraepithelial Neoplasia
TYPE	byte	%8.0g	C3.1 If Yes,Type
CANCER	byte	%8.0g	C3.2 Cancer
FINDMINUTE	byte	%8.0g	C4. Finding one minute after Application of acetic acid acetowhite extension to the endocervical canal?
ENDOCERVIC	byte	%8.0g	how many quadranta involved in acetowhite lesion(s)?
ACETOWHI01	byte	%8.0g	C6. Finding after application of Lugol extension to endocervical canal?
FINDLUG	byte	%8.0g	C6.2 If VILI positive,how many quad how many quadranta involved after lugol
ENDOCERV01	byte	%8.0g	D. If invasive cancer,stage?
QUADINVOL	byte	%8.0g	E.1 If Yes,Biopsy taken? comment on biopsy
CANCERSTAG	byte	%8.0g	Action to be taken (as comment)
BIOPSY	byte	%8.0g	
TYPE01	str42	%42s	
OTHERCOMME	str41	%41s	

LABORATORY FORM

LAB_____~_	float	%9.0g	
hpvcodelab	float	%9.0g	
ntihclab	str8	%9s	
datelab	float	%d	
initiallab	str3	%9s	
COMPLETYEA	byte	%8.0g	2. Completed years (age):
CURRENTVIL	str15	%15s	3. Current Village of residence:
CURRENTDIS	str9	%9s	4. Current District of residence:
DATEEXAM	long	%dD_m_Y	5. Date of Examination
GUD	byte	%8.0g	5. GUG=gyneco-urinary disease
VAGINALDIS	byte	%8.0g	6. Vaginal Discharge
GENITALDIS	byte	%8.0g	7. Genital Discharge
PID	byte	%8.0g	8. PID (addominal pain)
VAGINALSWA	byte	%8.0g	10. Vaginal swab (clinician collec
ECTOSWAB	byte	%8.0g	11. Ectocervical swab
ENDOSWAB	byte	%8.0g	12. Endocervical swab
GENITALSWA	byte	%8.0g	13. Genital ulcer swab
URINE	byte	%8.0g	14. Urine (pregnancy test)
BLOOD	byte	%8.0g	15. Blood (HIV testing/storage)
N16	long	%dD_m_Y	16. assay date
CHLAMYDIA	byte	%8.0g	Chlamydia 1 = Negative 2 = Positi
N17	long	%dD_m_Y	17. assay date
GONORRHEA	byte	%8.0g	Gonorrhea 1 = Negative 2 = Posit
N18	long	%dD_m_Y	18. date

TVAGINALIS	byte	%8.0g	T.Vaginalis 1 = Negative 2 =
			Positi
N19	long	%dD_m_Y	19. date
HUCREYI	byte	%8.0g	H.Ducreyi 1 = Negative 2 =
			Positi
N20	long	%dD_m_Y	20. date
HSIMPLEX	byte	%8.0g	H.Simplex 1 = Negative 2 =
			Positi
N21	long	%dD_m_Y	21. date
TPALLIDUM	byte	%8.0g	T.Pallidum 1 = Negative 2 =
			Positi
N22	long	%dD_m_Y	22. date

BASELINE SAMPLE RESULTS

SAMPLE_____~_	float	%9.0g	
ddlcode	str8	%9s	
yearsample	int	%8.0g	
hpvcodesample	float	%9.0g	
ntihcsample	str9	%9s	
initialsample	str7	%9s	
datesample	float	%d_dmy	
oldhpvcodesam~e	str23	%23s	
pap_ecto	str12	%12s	pap_ecto sample present
pap_endo	str12	%12s	pap_endo sample present
remark	str11	%11s	
pbs_ecto	str1	%9s	pbs_ecto sample present
pbs_endo	str1	%9s	pbs_endo sample present
pbs_vaginal	str1	%9s	pbs_vaginal sample present
dnacommments	str59	%59s	
v14	str20	%20s	
v15	int	%8.0g	
hpvtypeaa	str34	%34s	HPV types found (both round)
hpvdnapos	str2	%9s	HPV positivity
subtype16	str19	%19s	
subtype18	str6	%9s	
h6	float	%8.0g	presence of HPV 6
h11	float	%8.0g	presence of HPV11
h16	float	%8.0g
h18	float	%8.0g	
h18b	float	%8.0g	
h31	float	%8.0g	
h33	float	%8.0g	
h34	float	%8.0g	
h35	float	%8.0g	
h39	float	%8.0g	
h40	float	%8.0g	
h42	float	%8.0g	
h43	float	%8.0g	
h44	float	%8.0g	
h45	float	%8.0g	
h51	float	%8.0g	
h52	float	%8.0g	
h53	float	%8.0g	
h54	float	%8.0g	
h56	float	%8.0g	
h58	float	%8.0g	
h59	float	%8.0g	

h66	float	%8.0g	
h68_73	byte	%8.0g	
h39_68_73	byte	%8.0g	
h6873	float	%9.0g	either h68, h73, h68-73, H39_68_73
h70	float	%8.0g	
h74	float	%8.0g	
lipa1	byte	%8.0g	presence of a type in 1st round
h26	byte	%8.0g	presence of HPV26 (2 nd round)
h30	byte	%8.0g	...
h55	byte	%8.0g	
h61	byte	%8.0g	
h62	byte	%8.0g	
h64	byte	%8.0g	
h67	byte	%8.0g	
h69	byte	%8.0g	
h71	byte	%8.0g	
h82	byte	%8.0g	
h83	byte	%8.0g	
h84	byte	%8.0g	
h85	byte	%8.0g	
h87	byte	%8.0g	
h89	byte	%8.0g	
h90	byte	%8.0g	
h91	byte	%8.0g	
lipa2	byte	%8.0g	presence of a type in 2 nd round
k	byte	%8.0g)
o	str5	%9s)
p	byte	%8.0g) part of cyto result
a	byte	%8.0g)
c	byte	%8.0g)
b	str2	%9s)
pap	str2	%9s	cytology at baseline

COMPLEMENTARY INFORMATION

hivfup	str8	%9s	HIV status confirmation during follow-up
datehivfup	float	%d_dmy	date of HIV status confirmation
hpvcodepreg	int	%8.0g	
ucode	int	%8.0g	identification code in pregnant study
ntihcbothstudy	str7	%9s	
nhcbothstudy	int	%8.0g	
girlandpregst~y	byte	%8.0g	girls included also in pregnant study
nbful	float	%9.0g	number of follow up visits
datebaseline	float	%d_dmy	date at baseline visit