## DHS Variables for Malawi 2010	/HV041 "Total adults measured"	/HV237F "Water usually treated by: let it stand and settle"
### VARIABLE LABELS	/HV042 "Selection for hemoglobin" /HV043 "NA - Selection for	/HV237G "NA - Water usually
HHID "Case Identification"	women's status module"	treated by: CS"
/HVIDX "Line number"	/HV044 "Selection for domestic	/HV237H "NA - Water usually
/HV000 "Country code and phase"	violence module"	treated by: CS"
/HV001 "Cluster number"	/HV201 "Source of drinking water"	/HV237I "NA - Water usually
/HV002 "Household number"	/HV202 "NA - Source of non-	treated by: CS"
/HV003 "Respondent's line	drinking water"	/HV237J "NA - Water usually
number"	/HV204 "Time to get to water	treated by: CS"
/HV004 "Ultimate area unit"	source"	/HV237K "NA - Water usually
/HV005 "Sample weight"	/HV205 "Type of toilet facility"	treated by: CS"
/HV006 "Month of interview"	/HV206 "Has electricity"	/HV237X "Water usually treated by:
/HV007 "Year of interview"	/HV207 "Has radio"	other"
/HV008 "Date of interview (CMC)"	/HV208 "Has television"	/HV237Z "Water usually treated by:
/HV009 "Number of household	/ /HV209 "Has refrigerator"	don't know"
members"	/HV210 "Has bicycle"	/HV238 "Number of households
/HV010 "Number of eligible	/HV211 "Has motorcycle/scooter"	sharing toilet"
women in HH"	/HV212 "Has car/truck"	/HV239 "Food cooked on stove or
/HV011 "Number of eligible men in	/HV213 "Main floor material"	open fire"
HH"	/HV214 "Main wall material"	/HV240 "Household has a chimney,
/HV012 "Number of de jure	/HV215 "Main roof material"	hood or neither"
members"	/HV216 "Rooms used for sleeping"	/HV241 "Food cooked in the house
/HV013 "Number of de facto	/HV217 "Relationship structure"	/ in separate building / outdoors"
members"	/HV218 "Line number of head of	/HV242 "Household has separate
/HV014 "Number of children 5 and	househ."	room used as kitchen"
under"	/HV219 "Sex of head of household"	/HV243A "Has a mobile telephone"
/HV015 "Result of household	/HV220 "Age of head of	/HV243B "Has a watch"
interview"	household"	/HV243C "Has an animal-drawn
/HV016 "Day of interview"	/HV221 "Has a landline telephone"	cart"
/HV017 "Number of visits"	/HV225 "Share toilet with other	/HV243D "NA - Has a boat with a
/HV018 "Interviewer identification"	households"	motor"
/HV019 "Keyer identification"	/HV226 "Type of cooking fuel"	/HV244 "Own land usable for
/HV020 "Ever-married sample"	/HV227 "Have bednet for sleeping"	agriculture"
/HV021 "Primary sampling unit"	/HV228 "Children under 5 slept	/HV245 "Hectares for agricultural land"
/HV022 "Sample stratum number"	under bednet last night"	/HV246 "Livestock, herds or farm
/HV023 "Sample domain"	/HV234 "Test salt for lodine"	animals"
/HV024 "Region"	/HV235 "Location of source for	/HV246A "Cattle own"
/HV025 "Type of place of	water"	/HV246B "NA - Cows, bulls own"
residence"	/HV236 "Person fetching water"	/HV246C "NA - Horses, donkeys,
/HV026 "Place of residence"	/HV237 "Anything done to water to	mules own"
/HV027 "Selection for male/husb.	make safe to drink"	/HV246D "Goats own"
int."	/HV237A "Water usually treated by:	/HV246E "Sheep own"
/HV028 "Sample weight for male	boil"	/HV246F "Poultry own"
subsamp"	/HV237B "Water usually treated by:	/HV246G "Pigs own"
/HV030 "Field supervisor"	add bleach/chlorine"	/HV246H "NA - CS own"
/HV031 "Field editor"	/HV237C "Water usually treated by:	/HV24611 "NA - CS own"
/HV032 "Office editor"	strain through a cloth"	/HV246J "NA - CS own"
/HV033 "NA - Ultimate area	/HV237D "Water usually treated by:	/HV246K "Other own"
selection prob."	use water filter"	/HV247 "Owns a bank account"
/HV035 "Number of eligible	/HV237E "Water usually treated by:	/HV248 "Number of sick people 18-
children for height & weight"	solar disinfection"	59"
/HV040 "Cluster altitude in meters"		33

/HV249 "Member of the HH died /HV104 "Sex of household /HV136 "NA - Brothers/sisters last 12 months" member" under 18 that don't live in household" /HV250 "Number of members who /HV105 "Age of household /HV137 "Member has a blanket" died last 12 months" members" "Member has a pair of /HV138 /HV251 "Number of orphans and /HV106 "Highest educational level" shoes" vulnerable children" /HV107 "Highest year of /HV139 "Member has 2+ sets of /HV270 "Wealth index" education" clothes" /HV271 "Wealth index factor score /HV108 "Education in single years" /HV140 "NA - Member has a birth certificate" (5 decimals)" /HV109 "Educational attainment" /HML1 "Number of mosquito /IDXH4 "Index to household /HV110 "NA - Member still in nets" schedule" school" /HML1A "Number of mosquito nets /HV111 "Mother alive" "Marital status" /SH08 with specific information" "Level of education /HV112 "Mother's line number" /SH24A /HML2 "Number of children under attended" /HV113 "Father alive" bednet previous night" /SH26A "Level of education /HV114 "Father's line number" /SHDIST "District" attending" /HV115 "NA - Current marital /SHLQUEST "Language of /SH28A "Level of education last status" Questionnaire" year" /HV116 "Currently, formerly, never /SHLRESP "Native language of "Meals eaten vesterday" m." /SH32 respondent" /HA0 "Index to household /HV117 "Eligibility for female /SHLINT "Language of interview" schedule" interview" /SHLTRANS "Translator used" /HA1 "Women's age in years" /HV118 "Eligibility for male /SHLRESO "Other: Native language "Respondent's weight (kilos-/HA2 interview" of respondent" 1d)" /HV120 "Children eligibility for /SH111A2 "Koloboyi" /HA3 "Respondent's height (cmsheight/weight and hemoglobin" 1d)" /SH111B "Paraffin lamp other than /HV121 "Member attended school koloboyi" /HA4 "Ht/A Percentile (resp.)" during current school year" /HV122 "Educational level during /SH111G "Bed with mattress" /HA5 "Ht/A Standard deviations /SH111H "Sofa set" current school year" (resp" /SH111I "Table and chairs" /HV123 "Grade of education during /HA6 "Ht/A Percent ref. median (resp" /SH123 "Amount of agricultural current school year" /HV124 "Education in single years -/HA11 "Wt/Ht Std deviations(resp) land owned" DHS" current school year" /SH126A "Walls sprayed for /HV125 "Member attended school /HA12 "Wt/Ht Percent ref. median mosquitos in past 12 months" (DHS" during previous school year" /SH126B "Months ago house was /HA12A "Wt/Ht Percent ref. sprayed" /HV126 "Educational level during median (Fog" previous school year" /SH126C "Those who sprayed" /HA12B "Wt/Ht Percent ref. /HV127 "Grade of education during /SH138 "Color of net preferred" median (WHO" previous school year" /SH139 "Shape of net preferred" "Result of measurement of /HA13 /HV128 "Education in single years -/SH139A "Shown place for washing resp." hands" previous school year" /HA32 "Date of birth (cmc)" /HV129 "School attendance status" /SH139B "Water available at "Completeness of /HA33 /HV130 "Member has been very location for hand washing" sick for 3+ months last year" information" /SH139CA "Soap available at /HA35 "Smoking" /HV131 "Mother has been very sick location for hand washing" for 3+ months last year" /HA40 "Body mass index for /SH139CB "Soap available at respondent" location for hand washing" /HV132 "Father has been very sick "Rohrer's index for for 3+ months last year" /HA41 /SH139CY "Soap available at /HV133 "Mother/father dead or respondent" location for hand washing" been very sick for 3+ months" /HA50 "Under age 18" /SH140 "Test salt for Iodine" /HA51 /HV134 "NA - Both parents alive" "Line no. of /HV101 "Relationship to head" /HV135 "NA - Has brothers/sisters parent/caretaker" /HV102 "Usual resident" "Read consent statement" under 18 of the same father and /HA52 /HV103 "Slept last night" mother"

/HA53 "Hemoglobin level (g/dl - 1	/HC7 "Wt/A Percentile"	/SH512 "Hemoglobin level (g/dl)"
decimal)"	/HC8 "Wt/A Standard deviations"	/HB0 "Index to household
/HA54 "Currently pregnant"	/HC9 "Wt/A Percent of ref.	schedule"
/HA55 "Result of measuring	median"	/HB1 "Men's age in years"
(Hemoglobin)"	/HC10 "Wt/Ht Percentile"	/HB2 "NA - Respondent's weight
/HA56 "Hemoglobin level adjusted	/HC11 "Wt/Ht Standard	(kilos-1d)"
by altitude (g/dl - 1 decimal)"	deviations"	/HB3 "NA - Respondent's height
/HA57 "Anemia level"	/HC12 "Wt/Ht Percent of ref.	(cms-1d)"
/HA58 "NA - Agrees to referral"	median"	/HB4 "NA - Ht/A Percentile
/HA60 "Marital status"	/HC13 "Result of measurement"	(resp.)"
/HA61 "Read consent statement	/HC15 "Height: lying or standing"	/HB5 "NA - Ht/A Standard
(HIV)"	/HC16 "Day of birth of child"	deviations (resp"
/HA62 "Blood sample ID number"	/HC17 "Date measured (day)"	/HB6 "NA - Ht/A Percent ref.
/HA63 "Result of measuring (HIV)"	/HC18 "Date measured (month)"	median (resp"
/HA64 "Consent for additional	/HC19 "Date measured (year)"	/HB11 "NA - Wt/Ht Std
tests"	/HC27 "Sex"	deviations(resp) DHS"
/HA65 "Result of woman	/HC30 "Month of birth of child"	/HB12 "NA - Wt/Ht Percent ref.
individual interview"	/HC31 "Year of birth of child"	median (DHS"
/HA66 "Woman's highest	/HC32 "Date of birth (cmc)"	/HB12A "NA - Wt/Ht Percent ref.
educational level"	/HC33 "Completeness of	median (Fog"
/HA67 "Woman's highest year of	information"	/HB12B "NA - Wt/Ht Percent ref. median (WHO"
education"	/HC51 "Line no. of	/HB13 "NA - Result of
/HA68 "Highest educational level	parent/caretaker"	measurement of resp."
(CS for preliminary & final report)"	/HC52 "Read consent statement"	/HB32 "Date of birth (cmc)"
/HA69 "HIV weight (6 decimals)"	/HC53 "Hemoglobin level (g/dl - 1	/HB33 "Completeness of
/SH517 "Weight in kilograms" /SH518 "Height in centimeters"	decimal)"	information"
/SH523B "Read parent consent	/HC55 "Result of measuring	/HB35 "Smoking"
statement (Anemia)"	(Hemoglobin)"	/HB40 "NA - Body mass index for
/SH523D "Read respondent consent	/HC56 "Hemoglobin level adjusted by altitude (g/dl - 1 decimal)"	respondent"
statement (Anemia)"	/HC57 "Anemia level"	/HB41 "NA - Rohrer's index for
/SH525B "Read parent consent	•	respondent"
statement (HIV)"	/HC58 "NA - Agrees to referral" /HC60 "Mother's line number	/HB50 "Under age 18"
/SH525C "HIV status disclosure"	/HC60 "Mother's line number from woman's questionnaire"	/HB51 "Line no. of
/SH525F "Read respondent consent	/HC61 "Mother's highest	parent/caretaker"
statement (HIV)"	educational level"	/HB52 "NA - Read consent
/SH525G "Age/married check"	/HC62 "Mother's highest year of	statement"
/SH525J "Read parent consent	education"	/HB53 "NA - Hemoglobin level
statement (Additional tests)"	/HC63 "Preceding birth interval"	(g/dl - 1 decimal)"
/SH525L "Read respondent consent	/HC64 "Birth order number"	/HB55 "NA - Result of measuring
statement (Additional tests)"	/HC68 "Highest educational level	(Hemoglobin)"
/SH527 "Hemoglobin level (g/dl)"	(CS for preliminary & final report)"	/HB56 "NA - Hemoglobin level
/HC0 "Index to household	/HC70 "Ht/A Standard deviations	adjusted by altitude (g/dl - 1
schedule"	(according to WHO)"	decimal)"
/HC1 "Age in months"	/HC71 "Wt/A Standard deviations	/HB57 "NA - Agrees to referre!"
/HC2 "Weight in kilograms (1	(according to WHO)"	/HB58 "NA - Agrees to referral"
dec.)"	/HC72 "Wt/Ht Standard deviations	/HB60 "Marital status"
/HC3 "Height in centimeters (1	(according to WHO)"	/HB61 "Read consent statement (HIV)"
dec.)"	/HC73 "BMI Standard deviations	/HB62 "Blood sample ID number"
/HC4 "Ht/A Percentile"	(according to WHO)"	/HB63 "Result of measuring (HIV)"
/HC5 "Ht/A Standard deviations"	/SH505 "Weight in kilograms"	/HB64 "Consent for additional
/HC6 "Ht/A Percent of ref.	/SH506 "Height in centimeters"	tests"
median"	/SH507 "Height: lying or standing"	

/HB65 "Result of man individual	/HML12 "Type of bednet(s) person	/HO106 "Free social support last 12
interview"	slept under last night"	months"
/HB66 "Man's highest educational	/HML13 "1st net number for net	/HO107 "Social support last 3
level"	person slept under last night"	months"
/HB67 "Man's highest year of	/HML14 "2nd net number for net	/HO108 "Free support for
education"	person slept under last night"	schooling"
/HB68 "Highest educational level	/HML15 "NA - 3rd net number for	/SH416AA "Assistance received for
(CS for preliminary & final report)"	net person slept under last night"	schooling"
/HB69 "HIV weight (6 decimals)"	/HML16 "Corrected age from	/SH416AB "Assistance received for
/SH533 "Respondent present"	individual questionnaire"	schooling"
/SH540B "Read parent consent	/HML17 "Flag for HV105 age from	/SH416AC "Assistance received for
statement (HIV)"	individual file"	schooling"
/SH540C "HIV status disclosure"	/HML18 "Pregnancy from	/SH416AD "Assistance received for
/SH540F "Read respondent consent	individual questionnaire"	schooling"
statement (HIV)"	/HML19 "Person sleep under an	/SH416AX "Assistance received for
/SH540G "Under age 18"	ever treated bednet"	schooling"
/SH540J "Read parent consent	/HSKIDX "Index to household	
statement (Additional tests)"	schedule"	### MISSING VALUE
/SH540L "Read respondent consent	/HS100 "Free medical support last	HV026 (9)
statement (Additional tests)"	12 months"	/HV040 (9999)
/HMLIDX "Net number"	/HS101 "Medical support at least	/HV201 (99)
/HML3 "Net observed"	once a month"	/HV202 (99)
/HML4 "Months ago obtained	/HS102 "Free emotional support	/HV204 (999)
mosquito net"	last 12 months"	/HV205 (99)
/HML5 "NA - Was net treated with	/HS103 "Emotional support last 30	/HV206 (9)
insecticide when bought"	days"	/HV207 (9)
/HML6 "Mosquito net treated with	/HS104 "Free material support last	/HV208 (9)
insecticide"	12 months"	/HV209 (9)
/HML7 "Brand of bednet"	/HS105 "Material support last 30	/HV210 (9)
/HML8 "Bednet treated since	days"	/HV211 (9)
receiving"	/HS106 "Free social support last 12	/HV212 (9)
/HML9 "Months ago re-treated"	months"	/HV213 (99)
/HML10 "ITN net"	/HS107 "Social support last 30	/HV214 (99)
/HML11 "Number of persons who	days"	/HV215 (99)
slept under this net"	/HS108 "NA - Pain last 30 days"	/HV216 (99)
/HML21 "Did someone sleep under	/HS109 "NA - Able to reduce the	/HV219 (9)
bednet last night"	pain"	/HV220 (99)
/HMLA "Person who slept in	/HS110 "NA - Nausea last 30 days"	/HV221 (9)
mosquito net"	/HS111 "NA - Able to reduce the	/HV225 (9)
/HMLB "Person who slept in	nausea"	/HV226 (99)
mosquito net"	/HOVIDX "Index to household	/HV227 (9)
/HMLC "Person who slept in	schedule"	/HV228 (9)
mosquito net"	/HO100 "Age of child"	/HV234 (999)
/HMLD "Person who slept in	/HO101 "Free medical support last	
mosquito net"	12 months"	/HV235 (9)
/HMLE "NA - Person who slept in	/HO102 "Free emotional support last 12 months"	/HV236 (9)
mosquito net"		/HV237 (9)
/SH129A "Net has holes"	/HO103 "Emotional support last 3 months"	/HV237A (9)
/SH129B "Color of net"		/HV237B (9)
/SH129C "Shape of net"	/HO104 "Free material support last 12 months"	/HV237C (9)
/SH130C "Net came with treatment	/HO105 "Material support last 3	/HV237D (9)
kit"	months"	/HV237E (9)
/HMHIDX "Index to household	monuis	/HV237F (9)
schedule"		/HV237G (9)

/HV237H (9)	/SH139CY (9)	/HA35	(99)
/HV237I (9)	/SH140 (9)	/HA40	(9999)
/HV237J (9)	/HV101 (99)	/HA41	(9999)
/HV237K (9)	/HV102 (9)	, /HA50	(9)
/HV237X (9)	/HV103 (9)	/HA52	(9)
/HV237Z (9)	/HV104 (9)	/HA53	(999)
/HV238 (99)	/HV105 (99)	/HA54	(9)
/HV239 (9)	/HV106 (9)	/HA55	(9)
/HV240 (9)	/HV107 (99)	/HA56	(999)
/HV241 (9)	/HV108 (99)	/HA57	(9)
/HV242 (9)	/HV109 (9)	/HA58	(9)
/HV243A (9)	/HV110 (9)	/HA61	(9)
/HV243B (9)	/HV111 (9)	/HA63	(9)
/HV243C (9)		/HA64	(9)
/HV243D (9)	/HV113 (9)	/HA66	(9)
/HV244 (9)	/HV114 (99)	/HA67	(99)
/HV245 (99)	/HV115 (9)	/HA68	(9)
/HV246 (9)	/HV116 (9)	/SH523I	
/HV246A (99)	/HV121 (9)	/SH523I	
/HV246B (99)	/HV122 (9)	/SH525I	
/HV246C (99)	/HV123 (99)	/SH5250	
/HV246D (99)	/HV124 (99)	/SH525I	
/HV246E (99)	/HV125 (9)	/SH5250	
/HV246F (99)	/HV126 (9)	/SH525J	
/HV246G (99)	/HV127 (99)	/SH525I	
/HV246H (99)	/HV128 (99)	/SH527	-
/HV246I (99)	/HV129 (9)	/HC2	(9999)
/HV246J (99)	/HV130 (9)	/HC3	(9999)
/HV246K (99)	/HV131 (9)	/HC4	(9999)
/HV247 (9)	/HV132 (9)	/HC5	(9999)
/HV250 (99)	/HV133 (9)	/HC6	(99999)
/HML1 (99)	/HV134 (9)	/HC7	(9999)
/HML2 (99)	/HV135 (9)	/HC8	(9999)
/SHLQUEST (9)	/HV136 (9)	/HC9	(99999)
/SHLRESP (9)	/HV137 (9)	/HC10	(9999)
/SHLINT (9)	/HV138 (9)	/HC11	(9999)
/SHLTRANS (9)	/HV139 (9)	/HC12	(99999)
/SH111A2 (9)	/HV140 (9)	/HC13	(9)
/SH111B (9)	/SH08 (9)	/HC15	(9)
/SH111G (9)	/SH24A (9)	/HC16	(99)
/SH111H (9)	/SH26A (9)	/HC27	(9)
/SH111I (9)	/SH28A (9)	/HC30	(99)
/SH123 (1000)	/HA2 (9999)	/HC31	(9999)
/SH126A (9)	/HA3 (9999)	/HC52	(9)
/SH126B (99)	/HA4 (9999)	/HC53	(999)
/SH126C (9)	/HA5 (9999)	/HC55	(9)
/SH138 (9)	/HA6 (99999)	/HC56	(999)
/SH139 (9)	/HA11 (9999)	/HC57	(9)
/SH139A (9)	/HA12 (99999)	/HC58	(9)
/SH139B (9)	/HA12A (99999)	/HC61	(9)
/SH139CA (9)	/HA12B (99999)	/HC62	(99)
/SH139CB (9)	/HA13 (9)	/HC63	(999)
	• •		•

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/HC64 (99)	/HMLA (99)	1 "Ever married sample"
/HC68 (9)	/HMLB (99)	/HV023
/HC70 (9999)	/HMLC (99)	1 "Northern"
/HC71 (9999)	/SH129A (9)	2 "Central"
/HC72 (9999)	/SH129B (9)	3 "Southern"
/HC73 (9999)	/SH129C (9)	/HV024
/SH505 (100)	/SH130C (9)	1 "Northern"
/SH506 (1000)	/HML12 (9)	2 "Central"
/SH507 (9)	/HML16 (99)	3 "Southern"
/SH512 (100)	/HML18 (9)	/HV025
/HB2 (9999)	/HS100 (9)	1 "Urban"
/HB3 (9999)	/HS101 (9)	2 "Rural"
/HB4 (9999)	/HS102 (9)	/HV026
/HB5 (9999)	/HS103 (9)	0 "Capital"
/HB6 (99999)	/HS104 (9)	1 "Major city"
/HB11 (9999)	/HS105 (9)	2 "Town"
/HB12 (99999)	/HS106 (9)	3 "Rural"
/HB12A (99999)	/HS107 (9)	/HV027
/HB12B (99999)	/HS108 (9)	0 "Not selected"
/HB13 (9)	/HS109 (9)	1 "Men's survey"
/HB35 (99)	/HS110 (9)	2 "Husband's survey"
/HB40 (9999)	/HS111 (9)	/HV042
/HB41 (9999)	/HO100 (99)	0 "Not selected"
/HB50 (9)	/HO101 (9)	1 "Selected"
/HB52 (9)	/HO102 (9)	/HV043
/HB53 (999)	/HO103 (9)	0 "Household not selected"
/HB55 (9)	/HO104 (9)	1 "Household selected"
/HB56 (999)	/HO105 (9)	/HV044
/HB57 (9)	/HO106 (9)	0 "Household not selected"
/HB58 (9)	/HO107 (9)	1 "Household selected"
/HB61 (9)	/HO108 (9)	/HV201
/HB63 (9)	/SH416AA (9)	10 "PIPED WATER"
/HB64 (9)	/SH416AB (9)	11 "Piped into dwelling"
/HB66 (9)	/SH416AC (9)	12 "Piped to yard/plot"
/HB67 (99)	/SH416AD (9)	13 "Public tap/standpipe"
/HB68 (9)	/SH416AX (9)	20 "TUBE WELL WATER"
/SH540B (9)		21 "Tube well or borehole"
/SH540C (9)	### VALUE LABELS	30 "DUG WELL
/SH540F (9)	HV003	(OPEN/PROTECTED)"
/SH540G (9)	0 "Incomplete interview"	31 "Protected well"
/SH540J (9)	/HV015	32 "Unprotected well"
/SH540L (9)	1 "Completed"	40 "SURFACE WATER"
/HML3 (9)	2 "HH present, no resp"	41 "Protected spring"
/HML4 (99)	3 "HH absent"	42 "Unprotected spring"
/HML5 (9)	4 "Postponed"	43
/HML6 (9)	5 "Refused"	"River/dam/lake/ponds/stream/canal
/HML7 (99)	6 "Dwelling vacant"	/irirgation channel"
/HML8 (9)	7 "Dwelling destroyed"	51 "Rainwater"
/HML9 (99)	8 "Dwelling destroyed"	61 "Tanker truck"
/HML10 (9)	9 "Other"	62 "Cart with small tank"
/HML11 (9)	/HV020	71 "Bottled water"
/HML21 (9)	0 "All woman sample"	96 "Other"
/!!!VILZI (3)	o All wollian sample	

/HV202	/HV210	22 "Palm / bamboo / grass"
10 "PIPED WATER"	0 "No"	23 "Wood planks"
11 "Piped into dwelling"	1 "Yes"	24 "Cardboard"
12 "Piped to yard/plot"	/HV211	30 "FINISHED"
13 "Public tap/standpipe"	0 "No"	31 "Iron sheets"
20 "TUBE WELL WATER"	1 "Yes"	32 "Wood"
21 "Tube well or borehole"	/HV212	33 "Calamine / cement fiber"
30 "DUG WELL	0 "No"	34 "Ceramic tiles"
(OPEN/PROTECTED)"	1 "Yes"	35 "Cement"
31 "Protected well"	/HV213	36 "Roofing shingles"
32 "Unprotected well"	10 "NATURAL"	96 "OTHER"
40 "SURFACE WATER"	11 "Earth, sand"	/HV217
41 "Protected spring"	12 "Dung"	0 "No adults"
42 "Unprotected spring"	20 "RUDIMENTARY"	1 "One adult"
43	21 "Wood planks"	2 "Two adults, opp. sex"
"River/dam/lake/ponds/stream/canal	22 "Palm, bamboo"	3 "Two adults, same sex"
/irirgation channel"	23 "Broken bricks"	4 "Three+ related adult"
51 "Rainwater"	30 "FINISHED"	5 "Unrelated adults"
61 "Tanker truck"	31 "Parquet, polished wood"	/HV219
62 "Cart with small tank"	32 "Vinyl, asphalt strips"	1 "Male"
71 "Bottled water"	33 "Ceramic tiles"	2 "Female"
96 "Other"	34 "Cement"	/HV220
/HV204	35 "Carpet"	97 "97+"
996 "On premises"	96 "OTHER"	98 "DK"
998 "Don't know"	/HV214	/HV221
/HV205	10 "NATURAL"	0 "No"
10 "FLUSH TOILET"	11 "No walls"	1 "Yes"
11 "Flush toilet"	12 "Cane / palm / trunks"	/HV225
20 "PIT TOILET LATRINE"	13 "Dirt"	0 "No"
21 "Pit latrine - ventilated	20 "RUDIMENTARY"	1 "Yes"
improved pit (VIP)"	21 "Bamboo / tree trunk with	/HV226
22 "Pit latrine - with slab"	mud"	1 "Electricity"
23 "Pit latrine - without slab / open	22 "Stone with mud"	2 "LPG/Natural gas"
pit"	23 "Uncovered adobe"	3 "Natural gas"
30 "NO FACILITY"	24 "Plywood"	4 "Biogas"
31 "No facility/bush/field"	25 "Cardboard"	5 "Kerosene"
41 "Composting toilet"	26 "Reused wood"	6 "Coal, lignite"
42 "Bucket toilet"	30 "FINISHED"	7 "Charcoal"
43 "Hanging toilet/latrine"	31 "Cement"	8 "Wood"
96 "OTHER"	32 "Stone with lime / cement"	9 "Straw / shrubs / grass"
/HV206	33 "Burnt bricks"	10 "Agricultural crop"
0 "No"	34 "Unburnt bricks"	11 "Animal dung"
1 "Yes"	35 "Cement blocks"	95 "No food cooked in HH"
/HV207	36 "Wood planks/Shingles"	96 "Other"
0 "No"	96 "OTHER"	/HV227
1 "Yes"	/HV215	0 "No"
/HV208	10 "NATURAL"	
0 "No"	11 "No roof"	1 "Yes"
1 "Yes"	11 No rooi 12 "Thatch / palm leaf"	/HV228
/HV209	13 "SOD"	0 "No"
0 "No"	20 "RUDIMENTARY"	1 "All children"
1 "Yes"		2 "Some children"
	21 "Rustic mat"	3 "No bednet in HH"

/HV234	1 "Yes"	0 "No"
0 "0 PPM (No lodine)"	8 "Don't know"	1 "Yes"
7 "Below 15 PPM"	/HV237I	/HV244
15 "15 PPM and above"	0 "No"	0 "No"
30 "30 PPM"	1 "Yes"	1 "Yes"
994 "Salt not tested"	8 "Don't know"	/HV245
995 "No salt in household"	/HV237J	95 "95 or more"
/HV235	0 "No"	98 "Unknown"
1 "In own dwelling"	1 "Yes"	/HV246
2 "In own yard/plot"	8 "Don't know"	, 0 "No"
3 "Elsewhere"	/HV237K	1 "Yes"
/HV236	0 "No"	/HV246A
1 "Adult woman"	1 "Yes"	0 "None"
2 "Adult man"	8 "Don't know"	95 "More than 95"
3 "Female child under 15 years	/HV237X	98 "Unknown"
old"	0 "No"	/HV246B
4 "Male child under 15 years old"	1 "Yes"	0 "None"
6 "Other"	8 "Don't know"	95 "More than 95"
/HV237	/HV237Z	98 "Unknown"
0 "No"	0 "No"	/HV246C
1 "Yes"	1 "Yes"	0 "None"
8 "Don't know"	8 "Don't know"	95 "More than 95"
/HV237A	/HV238	98 "Unknown"
0 "No"	95 "10 or more households"	/HV246D
1 "Yes"	98 "Don't know"	0 "None"
8 "Don't know"	/HV239	95 "More than 95"
/HV237B	1 "Open fire"	98 "Unknown"
0 "No"	2 "Open stove"	/HV246E
1 "Yes"	•	0 "None"
8 "Don't know"	3 "Closed stove with chimney" 6 "Other"	
/HV237C		95 "More than 95" 98 "Unknown"
0 "No"	/HV240	
1 "Yes"	0 "Neither chimney or hood"	/HV246F 0 "None"
8 "Don't know"	1 "Chimney"	
	2 "Hood"	95 "More than 95"
/HV237D 0 "No"	/HV241	98 "Unknown"
	1 "In the house"	/HV246G
1 "Yes"	2 "In a separate building"	0 "None"
8 "Don't know"	3 "Outdoors"	95 "More than 95"
/HV237E	6 "Other"	98 "Unknown"
0 "No"	/HV242	/HV246H
1 "Yes"	0 "No"	0 "None"
8 "Don't know"	1 "Yes"	95 "More than 95"
/HV237F	/HV243A	98 "Unknown"
0 "No"	0 "No"	/HV246I
1 "Yes"	1 "Yes"	0 "None"
8 "Don't know"	/HV243B	95 "More than 95"
/HV237G	0 "No"	98 "Unknown"
0 "No"	1 "Yes"	/HV246J
1 "Yes"	/HV243C	0 "None"
8 "Don't know"	0 "No"	95 "More than 95"
/HV237H	1 "Yes"	98 "Unknown"
0 "No"	/HV243D	/HV246K

0 "None"	314 "Zomba"	999.8 "DK"
95 "More than 95"	315 "Blantyre"	/SH126A
98 "Unknown"	/SHLQUEST	0 "No"
/HV247	1 "Chichewa"	1 "Yes"
0 "No"	2 "Tumbuka"	8 "DK"
1 "Yes"	3 "Yao"	/SH126C
/HV249	4 "English"	1 "Army/police"
0 "No"	6 "Other"	2 "Other gov't worker
1 "Yes"	/SHLRESP	/programme"
8 "DK"	1 "Chichewa"	3 "Private company"
9 "Missing"	2 "Tumbuka"	6 "Other"
/HV250	3 "Yao"	8 "DK"
8 "DK"	4 "English"	/SH138
/HV270	6 "Other"	1 "Blue"
1 "Poorest"	/SHLINT	2 "Green"
2 "Poorer"	1 "Chichewa"	3 "White"
3 "Middle"	2 "Tumbuka"	6 "Other"
4 "Richer"	3 "Yao"	8 "DK/ No preference"
5 "Richest"	4 "English"	/SH139
/HML1	6 "Other"	1 "Conical"
7 "7+"	/SHLTRANS	2 "Rectangular"
98 "Don't know"	0 "Not at all"	8 "DK/No preference"
/SHDIST	1 "Sometimes"	/SH139A
101 "Chitipa"	2 "All the time"	1 "Observed"
102 "Karonga"	/SHLRESO	2 "No specific place"
103 "Nkhatabay"	5 "Mang'anja"	3 "No permission to see"
104 "Rumphi"	6 "Lomwe"	4 "Not observed, other reason"
105 "Mzimba"	7 "Ndali"	/SH139B
		0 "Water not available"
106 "Nkhatabay"	8 "Ngoni"	1 "Water available"
201 "Kasungu" 202 "Nkhota kota"	9 "Nkhonde"	/SH139CA
	10 "Lambya"	0 "No"
203 "Ntchisi" 204 "Dowa"	11 "Tonga"	1 "Soap or detergent (bar, liquid,
	12 "Sena"	powder or paste)"
205 "Salima"	13 "Nyanja"	/SH139CB
206 "Lilongwe"	14 "Sukwa"	0 "No"
207 "Mchinji"	/SH111A2	1 "Ash mud sand"
208 "Dedza"	0 "No"	/SH139CY
209 "Ntcheu"	1 "Yes"	0 "No"
210 "Lilongwe"	/SH111B	1 "None"
301 "Mangochi"	0 "No"	
302 "Machinga"	1 "Yes"	/SH140
303 "Zomba"	/SH111G	1 "0 PPM (No lodine)"
304 "Chiradzulu"	0 "No"	2 "Below 15 PPM"
305 "Blantyre"	1 "Yes"	3 "15 PPM and above"
306 "Mwanza"	/SH111H	4 "No salt in HH"
307 "Thyolo"	0 "No"	5 "Other: Salt not tested: no
308 "Mulanje"	1 "Yes"	complete kit"
309 "Phalombe"	/SH111I	6 "Salt not tested"
310 "Chikwawa"	0 "No"	/HV101
311 "Nsanje"	1 "Yes"	1 "Head"
312 "Balaka"	/SH123	2 "Wife or husband"
313 "Neno"	999.5 "99.5 or more"	3 "Son/daughter"

4 "Son/daughter-in-law"	/HV113	/HV128
5 "Grandchild"	, 0 "No"	97 "Inconsistent"
6 "Parent"	1 "Yes"	98 "DK"
7 "Parent-in-law"	8 "DK"	/HV129
8 "Brother/sister"	/HV114	0 "Never attended"
9 "Co-spouse"	0 "Father not in HH"	1 "Entered school"
10 "Other relative"	/HV115	2 "Advanced"
11 "Adopted/foster child"	0 "Never married"	3 "Repeating"
12 "Not related"	1 "Married"	4 "Dropout"
13 "Niece/nephew by blood"	2 "Living together"	5 "Left school 2+ years ago"
14 "Niece/nephew by marriage"	3 "Widowed"	8 "DK"
98 "DK"	4 "Divorced"	/HV130
/HV102	5 "Not living together"	0 "No"
0 "No"	/HV116	1 "Yes"
1 "Yes"	0 "Never married"	8 "DK"
/HV103	1 "Currently married"	/HV131
0 "No"	2 "Formerly/ever marr."	0 "No"
1 "Yes"	/HV117	1 "Yes"
/HV104	0 "Not eligible"	8 "DK"
1 "Male"	1 "Eligible"	/HV132
2 "Female"	/HV118	0 "No"
/HV105	0 "Not eligible"	1 "Yes"
96 "96+"	1 "Eligible"	8 "DK"
98 "DK"	/HV120	/HV133
/HV106	0 "Not eligible"	0 "No"
	-	1 "Yes"
0 "No education, preschool"	1 "Eligible" /HV121	/HV134
1 "Primary"	0 "No"	0 "No"
2 "Secondary"		1 "Yes"
3 "Higher" 8 "DK"	1 "Currently attending"	
	2 "Attended at some time"	/HV135 0 "No"
/HV107 98 "DK"	/HV122	
	0 "No education, preschool"	1 "Yes" 8 "DK"
/HV108	1 "Primary"	
97 "Inconsistent"	2 "Secondary"	/HV136
98 "DK"	3 "Higher"	0 "No"
/HV109	8 "DK"	1 "Yes"
0 "No education"	/HV123	/HV137
1 "Incomplete primary"	98 "DK"	0 "No"
2 "Complete primary"	/HV124	1 "Yes"
3 "Incomplete secondary"	97 "Inconsistent"	8 "DK"
4 "Complete secondary"	98 "DK"	/HV138
5 "Higher"	/HV125	0 "No"
8 "DK"	0 "No"	1 "Yes"
/HV110	1 "Yes"	8 "DK"
0 "No"	/HV126	/HV139
1 "Yes"	0 "No education, preschool"	0 "No"
/HV111	1 "Primary"	1 "Yes"
0 "No"	2 "Secondary"	8 "DK"
1 "Yes"	3 "Higher"	/HV140
8 "DK"	8 "DK"	0 "Neither certificate or
/HV112	/HV127	registered"
0 "Mother not in HH"	98 "DK"	1 "Has certificate"

2 "Registered"	6 "Other"	3 "Respondent refused"
8 "DK"	/HA33	4 "Sample not tested/lost/not
/SH08	1 "Month and year"	enough DBS"
1 "Currently married/Living	2 "Month and age -y imp"	/HA63
together"	3 "Year and age - m imp"	1 "Blood taken"
2 "Divorced/Separated"	4 "Y & age - y ignored"	2 "Not present"
3 "Widowed"	5 "Year - a, m imp"	3 "Refused"
4 "Never married and never lived	6 "Age - y, m imp"	4 "Sample not tested/lost"
together"	7 "Month - a, y imp"	5 "Not enough DBS to complete
/SH24A	8 "None - all imp"	protocol"
0 "Preschool"	/HA35	6 "Other"
1 "Primary"	0 "Doesn't smoke"	/HA64
2 "Secondary"	80 "80+"	1 "Granted"
3 "Higher"	94 "Smokes pipes, cigars, etc"	2 "Parent/Other responsible
8 "DK"	/HA40	refused"
/SH26A	9998 "Flagged cases"	3 "Respondent refused"
0 "Preschool"	/HA41	/HA65
1 "Primary"	9998 "Flagged cases"	1 "Completed"
2 "Secondary"	/HA50	2 "Not at home"
3 "Higher"	1 "Under age 18"	3 "Postponed"
8 "DK"	2 "Age 18 or older"	4 "Refused"
/SH28A	/HA51	5 "Partly completed"
0 "Preschool"	0 "Not in household"	6 "Incapacitated"
1 "Primary"	/HA52	7 "Other"
2 "Secondary"	1 "Granted"	/HA66
3 "Higher"	2 "Parent/Other responsible	0 "No education"
8 "DK"	refused"	1 "Primary"
/SH32	3 "Respondent refused"	2 "Secondary"
0 "None"	/HA54	3 "Higher"
1 "1 Meal"	0 "No/don't know"	8 "Don't know"
2 "2 Meals"	1 "Yes"	/HA68
3 "3+ Meals"	/HA55	0 "No education"
8 "Don't know"	0 "Measured"	1 "Primary"
9 "Missing"	3 "Not present"	2 "Secondary"
/HA4	4 "Refused"	3 "Higher"
9998 "Flagged cases"	5 ""	8 "Don't know"
/HA5	6 "Other"	/SH517
9998 "Flagged cases"	/HA57	999.94 "Not present"
/HA6	1 "Severe"	999.95 "Refused"
99998 "Flagged cases"	2 "Moderate"	999.96 "Other"
/HA11	3 "Mild"	/SH518
9998 "Flagged cases"	4 "Not anemic"	999.4 "Not present"
/HA12	/HA58	999.5 "Refused"
99998 "Flagged cases"	/пазо 0 "No"	999.6 "Other"
/HA12A	1 "Yes"	/SH523B
99998 "Flagged cases"		1 "Granted"
/HA12B	/HA60	2 "Parent/Other responsible
	1 "Never in union"	refused"
99998 "Flagged cases"	2 "Other"	/SH523D
/HA13	/HA61	1 "Granted"
0 "Measured"	1 "Granted"	2 "Respondent refused"
3 "Not present"	2 "Parent/Other responsible	/SH525B
4 "Refused"	refused"	/3113230

1 "Granted"	/HC16	1 "Primary"
2 "Parent/Other responsible	97 "Inconsistent"	2 "Secondary"
refused"	98 "DK"	3 "Higher"
/SH525C	/HC27	/HC70
1 "Positive"	1 "Male"	9996 "Height out of plausible limits"
2 "Negative"	2 "Female"	9997 "Age in days out of plausible
3 "Undetermined"	/HC30	limits"
4 "Refused to answer"	97 "Inconsistent"	9998 "Flagged cases"
6 "Blank"	98 "DK"	/HC71
/SH525F	/HC31	9996 "Height out of plausible limits"
1 "Granted"	9997 "Inconsistent"	9997 "Age in days out of plausible
2 "Respondent refused"	9998 "DK"	limits"
/SH525G	/HC33	9998 "Flagged cases"
1 "520 = 1 & 521 = 1"	1 "Month and year"	/HC72
2 "Other"	2 "Month and age"	9996 "Height out of plausible limits"
/SH525J	3 "Year and age"	9997 "Age in days out of plausible
1 "Granted"	4 "Year"	limits"
2 "Parent/Other responsible	5 ""	9998 "Flagged cases"
refused"	6 "Age"	/HC73
/SH525L	7 "Month"	9996 "Height out of plausible limits"
1 "Granted"	8 "None"	9997 "Age in days out of plausible
2 "Respondent refused"	/HC51	limits"
/SH527	0 "Not in household"	9998 "Flagged cases"
99.4 "Not present"	/HC52	/SH505
99.5 "Refused"	1 "Granted"	99.94 "Not present"
99.6 "Other"	2 "Refused"	99.95 "Refused"
/HC4	/HC55	99.96 "Other"
9998 "Flagged cases"		/SH506
/HC5	0 "Measured"	999.4 "Not present"
9998 "Flagged cases"	3 "Not present"	999.5 "Refused"
/HC6	4 "Refused" 5 ""	999.6 "Other"
99998 "Flagged cases"	•	/SH507
/HC7	6 "Other"	1 "Lying"
9998 "Flagged cases"	/HC57	2 "Standing"
/HC8	1 "Severe"	3 "Not measured"
9998 "Flagged cases"	2 "Moderate"	/SH512
	3 "Mild"	99.4 "Not present"
/HC9	4 "Not anemic"	99.5 "Refused"
99998 "Flagged cases"	/HC58	99.6 "Other"
/HC10	0 "No"	/HB4
9998 "Flagged cases"	1 "Yes"	9998 "Flagged cases"
/HC11	/HC60	/HB5
9998 "Flagged cases"	993 "Mother not de facto"	9998 "Flagged cases"
/HC12	994 "Incomplete woman's	
99998 "Flagged cases"	interview"	/HB6
/HC13	995 "Not in household"	99998 "Flagged cases"
0 "Measured"	/HC61	/HB11
3 "Not present"	0 "No education"	9998 "Flagged cases"
4 "Refused"	1 "Primary"	/HB12
6 "Other"	2 "Secondary"	99998 "Flagged cases"
/HC15	3 "Higher"	/HB12A
1 "Lying"	/HC68	99998 "Flagged cases"
2 "Standing"	0 "No education"	/HB12B

99998 "Flagged cases"	/HB61	6 "Blank"
/HB13	1 "Granted"	/SH540F
0 "Measured"	2 "Parent/Other responsible	1 "Granted"
3 "Not present"	refused"	2 "Respondent refused"
4 "Refused"	3 "Respondent refused"	/SH540G
5 ""	4 "Sample not tested/lost/not	1 "15-17 years"
6 "Other"	enough DBS"	2 "18-49"
/HB33	/HB63	/SH540J
1 "Month and year"	1 "Blood taken"	1 "Granted"
2 "Month and age -y imp"	2 "Not present"	2 "Parent/Other responsible
3 "Year and age - m imp"	3 "Refused"	refused"
4 "Y & age - y ignored"	4 "Sample not tested/lost"	/SH540L
5 "Year - a, m imp"	5 "Not enough DBS to complete	1 "Granted"
6 "Age - y, m imp"	protocol"	2 "Respondent refused"
7 "Month - a, y imp"	6 "Other"	/HML3
8 "None - all imp"	/HB64	0 "Not seen"
/HB35	1 "Granted"	1 "Yes, seen"
0 "Doesn't smoke"	2 "Parent/Other responsible	/HML4
80 "80+"	refused"	96 "More than 3 years ago"
94 "Smokes pipes, cigars, etc"	3 "Respondent refused"	98 "Don't know"
98 "Don't know"	/HB65	/HML5
/HB40	1 "Completed"	0 "No"
9998 "Flagged cases"	2 "Not at home"	1 "Yes"
/HB41	3 "Postponed"	8 "Don't know"
-	4 "Refused"	/HML6
9998 "Flagged cases"	5 "Partly completed"	0 "Not pretreated"
/HB50	6 "Incapacitated"	1 "Pretreated, permanent tx"
1 "Under age 18"	7 "Other"	2 "Pretreated, requiring future tx"
2 "Age 18 or older"	/HB66	
/HB51	0 "No education"	3 "Not pretreated, came with kit and treated at home"
0 "Not in household"	1 "Primary"	4 "Pretreated, treatment type not
/HB52	2 "Secondary"	known"
1 "Granted"	3 "Higher"	6 "Other"
2 "Parent/Other responsible	8 "Don't know"	8 "Don't know"
refused"	/HB68	/HML7
3 "Respondent refused"	0 "No education"	11 "ITN/ long-lasting: duranet"
/HB55	1 "Primary"	12 "ITN/ long-lasting: duranet"
0 "Measured"	2 "Secondary"	13 "ITN/ long-lasting: olyshet 13 "ITN/ long-lasting: lifenet"
3 "Not present"	3 "Higher"	14 "ITN/ long-lasting: menet"
4 "Refused"	8 "Don't know"	16 "ITN/ long-lasting: permaner
5 ""	/SH533	brand"
6 "Other"	1 "Present"	21 "Retreatable: safi net"
/HB57	2 "Not present"	26 "Retreatable: other/ DK brand"
1 "Severe"	/SH540B	31 "Untreated: safi net"
2 "Moderate"	1 "Granted"	36 "Untreated: other/ DK brand"
3 "Mild"		
4 "Not anemic"	2 "Parent/Other responsible refused"	96 "Other"
/HB58		98 "DK Brand"
0 "No"	/SH540C	/HML8
1 "Yes"	1 "Positive"	0 "No"
/HB60	2 "Negative"	1 "Yes"
1 "Never in union"	3 "Undetermined"	2 "Permanent net"
2 "Other"	4 "Refused to answer"	8 "Not sure"

/HML9	8 "None - all imp"	/HS111
95 "25+ months ago"	/HML18	0 "Not at all"
96 "More than 3 years ago"	0 "Not pregnant, don't know"	1 "Most of the time"
98 "Don't know"	1 "Pregnant"	2 "Some time"
/HML10	/HML19	/HO101
0 "No, don't know"	0 "No"	0 "No"
1 "Yes"	1 "Yes"	1 "Yes"
/HML11	/HS100	8 "DK"
, 5 "5+"	0 "No"	/HO102
/HML21	1 "Yes"	0 "No"
, 0 "No"	8 "DK"	1 "Yes"
1 "Yes"	/HS101	8 "DK"
8 "DK"	0 "No"	/HO103
/HMLA	1 "Yes"	0 "No"
0 "No one"	8 "DK"	1 "Yes"
/SH129A	/HS102	8 "DK"
0 "No"	0 "No"	/HO104
1 "Yes"	1 "Yes"	0 "No"
/SH129B	8 "DK"	1 "Yes"
1 "Green"	/HS103	8 "DK"
2 "Dark blue"	0 "No"	/HO105
3 "Light blue"	1 "Yes"	0 "No"
4 "White"	8 "DK"	1 "Yes"
6 "Other"	/HS104	8 "DK"
/SH129C	0 "No"	/HO106
1 "Conical"	1 "Yes"	0 "No"
	8 "DK"	1 "Yes"
2 "Rectangle"		8 "DK"
/SH130C	/HS105	
0 "No"	0 "No"	/HO107
1 "Yes"	1 "Yes"	0 "No"
8 "Not sure"	8 "DK"	1 "Yes"
/HML12	/HS106	8 "DK"
0 "No bednet"	0 "No"	/HO108
1 "Only treated bednets (ITN)"	1 "Yes"	0 "No"
2 "Both treated (ITN) and	8 "DK"	1 "Yes"
untreated bednets"	/HS107	8 "DK"
3 "Only untreated bednets"	0 "No"	/SH416AA
/HML13	1 "Yes"	0 "No"
0 "Did not sleep under net"	8 "DK"	1 "Money for school fees"
/HML16	/HS108	/SH416AB
97 "97+"	0 "Not at all"	0 "No"
98 "DK"	1 "Severe"	1 "Other money"
/HML17	2 "Mild"	/SH416AC
0 "No data from individual	8 "DK"	0 "No"
questionnaire"	/HS109	1 "Uniform"
1 "Month and year"	0 "Not at all"	/SH416AD
2 "Month and age -y imp"	1 "Most of the time"	0 "No"
3 "Year and age - m imp"	2 "Some time"	1 "Notebooks"
4 "Y & age - y ignored"	/HS110	/SH416AX
5 "Year - a, m imp"	0 "No"	0 "No"
6 "Age - y, m imp"	1 "Yes, severe"	1 "Other"
7 "Month - a, y imp"	2 "Yes, never severe"	