

# REPUBLIC OF GHANA – STATISTICAL SERVICE

## GHANA LIVING STANDARDS SURVEY

### 1992 & 1999

The data sets are available in the following softwares as well as in  
**ASCII** (comma delimited) format.



The data are stored in a compressed zip file in the corresponding directory under  
**\glss3\data** and **\glss4\data**

Community and Price data are in their respective subdirectories.  
(i.e. the SAS data set for GLSS3 is stored in \glss3\data\SAS\)

## **DESCRIPTION OF DATA FILES**

SEC0A:	Survey information.
SEC0B:	Survey information continued
SEC0C:	Survey information continued
SEC1:	Household Roster
SEC2A:	Education: General Education
SEC2B:	Education: Educational Career
SEC2C:	Education: Literacy /Apprenticeship
SEC3A:	Health: Health condition in the past two weeks
SEC3B:	Health: Preventive health, Vaccination, in the past 12 months
SEC3C:	Health: Postnatal care
SEC3D:	Health: Fertility, Prenatal care, and Contraceptive use
SEC4A:	Employment: Screening questions and list of occupations in past 12 months
SEC4B:	Employment: Characteristics of the main occupation
SEC4C:	Employment: Secondary occupation during the past 12 months
SEC4D:	Employment: Third occupation during the past 12 months
SEC4E:	Employment: Fourth occupation during the past 12 months
SEC4F:	Employment: Employment search in the past 12 months
SEC4G:	Employment: Activity status and employment search in the last 7 days
SEC4H:	Employment: Employment history
SEC4J:	Employment: Housekeeping
SEC5:	Migration
SEC6:	Identification of respondents for sections 8,9,and 10
SEC7:	Housing
SEC8A11:	Agriculture: Land
SEC8A2:	Agriculture: Livestock and Fishing
SEC8A3:	Agriculture: Agric equipment

SEC8B:	Agriculture: Plot details
SEC8C1:	Agriculture: Harvest and disposal of staple grains, field and cash crops
SEC8C2:	Agriculture: Harvest and disposal of roots, fruits, vegetables etc.
SEC8D:	Agriculture: Seasonality of sales and purchases (key staples only)
SEC8E:	Agriculture: Other agricultural income (in cash and kind)
SEC8F:	Agriculture: Agricultural costs and expenses
SEC8G:	Agriculture: Processing of agricultural produce
SEC8HID:	Agriculture: ID's of respondents for home consumption
SEC8H:	Agriculture: Consumption of home produce
SEC9A11:	Household Expenditure: ID's of persons responsible for purchases
SEC9A12:	Household Expenditure: Non-food expenses-less frequently purchased items
SEC9A2:	Household Expenditure: Non-food expenses-frequently purchased items
SEC9B0:	Household Expenditure: ID's of persons responsible for purchases
SEC9B:	Household Expenditure: Food expenses
SEC9C:	Household Expenditure: Availability of selected consumer items
SEC10A:	Non-Farm Enterprises: Basic characteristics of non-farm enterprises
SEC10B:	Non-Farm Enterprises: Expenditures on enterprises
SEC10C:	Non-Farm Enterprises: Assets of enterprises
SEC10D:	Non-Farm Enterprises: Revenue of enterprise
SEC10E:	Non-Farm Enterprises: Net income and inventory of enterprise
SEC11A1:	Income Transfers: Identification of households who gave out cash or goods as remittance (donors)
SEC11A2:	Income Transfers: Transfer payments made by households
SEC11B1:	Income Transfers: Identification of who received cash or goods as remittances (recipients)
SEC11B2:	Income Transfers: Transfer payments received by households
SEC11C:	Miscellaneous income
SEC11D:	Miscellaneous out-goings (expenditures)
SEC12A1:	Identification of households with credits
SEC12A2:	Credits
SEC12B:	Assets and durable consumer goods
SEC12C:	Savings (including Susu)

## CONTENTS OF THE FILES INC\*: DISAGGREGATED HOUSEHOLD INCOME VARIABLES (expressed on an annual basis)

INC1 SCHOL = Value of educational scholarship (at individual level)

INC2 J1CASH = Employment income in cash, main job  
J1SECASH = Self-employment income in money, main job  
J1BONC = Bonus inc in money pay, main job  
J1BONK = Bonus not inc in money, main job  
J1K = Employment income in kind, main job  
J1H = Employment income as subsd housing, main job  
J1TR = Employment income as subsd transport, main job  
J1OTH = Employment income in other forms, main job (all variables at individual level)

INC3 J2CASH = Employment income cash, 2<sup>nd</sup> job

J2SECASH = Self-employment income in cash, 2<sup>nd</sup> job  
J2K = Employment income in food/animals, 2<sup>nd</sup> job  
J2H = Employment income as housing/transport/other, 2<sup>nd</sup> job (all variables at individual level)

INC4 J3CASH = Employment income cash, 3<sup>rd</sup> job  
J3SECASH = Self-employment income in cash, 3<sup>rd</sup> job  
J3K = Employment income in kind, 3<sup>rd</sup> job (all variables at individual level)

INC5 J4CASH = Employment income cash, 4<sup>th</sup> job  
J4SECASH = Self-employment income in cash, 4<sup>th</sup> job  
J4K = Employment income in kind, 4<sup>th</sup> job (all variables at individual level)

INC6 INCWAT = Income from water sold (at household level)

INC7 INCLND1 = Income from renting out land  
INCLND2 = Income from sharecropping (both at household level)

INC8 INCLIV = Income from renting out livestock (at household level)

INC9 INCEQ = Income from renting out agricultural equipment (at level of each individual item)

INC10 CROPSV1 = Revenue from sale of cash crops - main outlet  
CROPSV2 = Revenue from sale of cash crops - other outlet (both at level of each individual crop)

INC11 ROOTSV = Revenue from sale of roots/fruit/vegetables (at level of each individual crop)

INC12 OTHAGINC = Revenue from other agricultural income (at household level)

INC13 INCTRCRP = Revenue from transformed crops (at level of each individual product)

INC14 INCNFC = Revenue in cash from non-farm enterprises  
INCNFK = Revenue in goods/services from non-farm enterprises  
INCNFDOM = Value of output of non-farm enterprises consumed domestically  
INCNFRNT = Non-farm rent income  
PRNFDOM = Profit of non-farm enterprises used within household  
PRNFUND1 = Profit of non-farm enterprises paid to other households  
PRNFUND2 = Profit of non-farm enterprises saved  
PRNFUND3 = Profit of non-farm enterprises for other uses (at level of each enterprise)

INC15 INCREM = Income from remittances (at level of each individual remittance)

INC16 INCMISC = Miscellaneous income (at level of each individual category)

## CONTENTS OF THE FILES EXP\*: DISAGGREGATED HOUSEHOLD EXPENDITURE VARIABLES (expressed on an annual basis)

<u>EXP1</u>	EDUCEXP = Expenditure on education (at individual level)
<u>EXP2</u>	WATB1 = Water bill - 1 WATB2 = Water bill - 2 ELECB = Electric bill GARB = Garbage disposal bill (at household level)
<u>EXP3</u>	LANDEXP = Expenditure on renting farm land (at level of individual farm)
<u>EXP4</u>	CROPEXP = Expenditure on crop inputs (at level of each individual input)
<u>EXP5</u>	LIVEXP = Expenditure on livestock inputs (at level of each individual input)
<u>EXP6</u>	FDPREXP1 = Labour costs on food processing FDPREXP2 = Other costs on food processing (both at level of each individual product)
<u>EXP7</u>	HP = Consumption of home production
<u>EXP8</u>	YREXP = Less frequent non-food expenditure (at level of each item purchased)
<u>EXP9</u>	DAYEXP = Frequent non-food expenditure
<u>EXP10</u>	FOODEXP = Food expenditure (actual)
<u>EXP11</u>	NFINP = Exp. on inputs of non-farm enterprises (at level of each expenditure item)
<u>EXP12</u>	EQDEPN = Depreciation of farm equipment (at level of each individual item)
<u>EXP13</u>	ASSDEPN = Depreciation of non-farm capital assets (at level of asset type within each enterprise)
<u>EXP14</u>	REMITEXP = Expenditure on remittances (at level of each individual remittance)
<u>EXP15</u>	MISCEXP = Miscellaneous expenditure (at household level)
<u>EXP16</u>	USEVAL = Use value of durable goods (at level of each type of asset/good)
<u>EXP17</u>	RENTPAID = Actual rental payment in cash and kind (at household level)
<u>EXP18</u>	IMPRTOWN = Value of imputed rental services - household owner (at household level)
<u>EXP19</u>	IMPRTPAR = Value of imputed rental services - paid by parents (at household level)
<u>EXP20</u>	IMPRTTEMP = Value of imputed rental services - paid by employers (at household level)
<u>EXP21</u>	IMPRTSQU = Value of imputed rental services - squatter (at household level)

## CONTENTS OF THE FILES SUBAGG\*: SUBAGGREGATES OF HOUSEHOLD INCOMES AND EXPENDITURES

*All variables are at the household level, except those in the files SUBAGG2, SUBAGG3, SUBAGG4 and SUBAGG5, which are at the individual level.*

<u>SUBAGG1</u>	SCHOL1 = Value of scholarship, last 12 months
<u>SUBAGG2</u>	J1TOT = Total wage income main job – past 12 months
<u>SUBAGG3</u>	J2TOT = Total wage income 2 <sup>nd</sup> job – past 12 months
<u>SUBAGG4</u>	J3TOT = Total wage income 3 <sup>rd</sup> job – past 12 months
<u>SUBAGG5</u>	J4TOT = Total wage income 4 <sup>th</sup> job – past 12 months
<u>SUBAGG6</u>	FD = Total wage income paid in food HO = Total wage income paid in housing GD = Total wage income paid in other forms
<u>SUBAGG7</u>	SEFARM = Farm self employment income
<u>SUBAGG8</u>	SENONF = Non-farm self employment income
<u>SUBAGG9</u>	WATINC = Income from water sold
<u>SUBAGG10</u>	LNDINC1 = Income from renting out land LNDINC2 = Income from sharecropping
<u>SUBAGG11</u>	LIVINC = Income from renting out livestock
<u>SUBAGG12</u>	EQINC = Income from renting out agricultural equipment
<u>SUBAGG13</u>	CRPINC1 = Revenue from sale of cash crops – main outlet CRPINC2 = Revenue from sale of cash crops – other outlet
<u>SUBAGG14</u>	ROOTINC = Revenue from sale of roots/fruit/vegetables
<u>SUBAGG15</u>	INCOTHAG = Revenue from other agricultural source
<u>SUBAGG16</u>	TRCRPINC = Revenue from the sale of transformed crop products
<u>SUBAGG17</u>	NFCINC = Revenue in cash from non-farm enterprises NFKINC = Revenue in goods/services of non-farm enterprises NFDOMINC = Value of non-farm enterprise products consumed domestically PROFITNF = Profit of non-farm enterprises for own purposes NFRNTINC = Non-farm rent income
<u>SUBAGG18</u>	REMINC = Income from remittances
<u>SUBAGG19</u>	MISCINC = Miscellaneous income

<u>SUBAGG20</u>	EXPEDUC = Expenditure on educational items
<u>SUBAGG21</u>	HHUTILS = Expenditure on household utilities
<u>SUBAGG22</u>	EXPLAND = Expenditure on renting farm land
<u>SUBAGG23</u>	EXPCROP = Expenditure on crop input
<u>SUBAGG24</u>	EXPLIV = Expenditure on livestock inputs
<u>SUBAGG25</u>	EXPFDPR1 = Labour costs on food processing EXPFDPR2 = Other costs on food processing
<u>SUBAGG26</u>	HOMEPRO = Consumption of home-produced food
<u>SUBAGG27</u>	EXPYEAR = Less frequent non-food expenditure
<u>SUBAGG28</u>	EXPDAY = Frequent non-food exp.
<u>SUBAGG29</u>	EXPFOOD = Food expenditure (actual)
<u>SUBAGG30</u>	INPNF = Expenditure on non-farm enterprises
<u>SUBAGG31</u>	DEPNEQ = Depreciation of farming equipment
<u>SUBAGG32</u>	DEPNASS = Depreciation of non-farm capital assets
<u>SUBAGG33</u>	EXPREMIT = Expenditure on remittances
<u>SUBAGG34</u>	EXPMISC = Miscellaneous expenditure
<u>SUBAGG35</u>	VALUSE = Use value of durable goods
<u>SUBAGG36</u>	RENT1 = Imputed rent - household owner
<u>SUBAGG37</u>	RENT2 = Imputed rent - paid by parents
<u>SUBAGG38</u>	RENT3 = Actual rent in cash and kind
<u>SUBAGG39</u>	RENT4 = Imputed rent - paid by employers
<u>SUBAGG40</u>	RENT5 = Imputed rent – squatters

## CONTENTS OF THE FILES AGG\*: AGGREGATES OF HOUSEHOLD INCOMES AND EXPENDITURES

*All variables are at the household level*

<u>AGG1</u>	TOTEMP = Income from employment
<u>AGG2</u>	AGRI1 = HH agricultural income (1) AGRI1C = HH agricultural income (1)- corrected ( <i>see note below</i> ) AGRI2 = HH agricultural income (2) AGRI2C = HH agricultural income (2)- corrected ( <i>see note below</i> ) HHAGDEPN = Depreciation of farm equipment
<u>AGG3</u>	NFSEY1 = Gross non-farm self-employment income (1) NFSEY2 = Gross non-farm self-employment income (2) NFSEY3 = Gross non-farm self-employment income (3) NFDEPN = Non-farm capital assets depreciation
<u>AGG4</u>	IMPRT = Actual and imputed rental income
<u>AGG5</u>	REMITINC = Income from remittances
<u>AGG6</u>	OTHERINC = Other income
<u>AGG7</u>	EXPFOOD = Food expenditure (actual) EXPFOODC = Food expenditure (actual) – corrected ( <i>see note below</i> )
<u>AGG8</u>	HOUSEXP = Expenditure on housing
<u>AGG9</u>	OTHEXP = Other expenditure (actual) OTHEXPC = Other expenditure (actual) – corrected ( <i>see note below</i> )
<u>AGG10</u>	IMPFOOD = Imputed food expenditure IMPFOODC = Imputed food expenditure – corrected ( <i>see note below</i> )
<u>AGG11</u>	IMPNFEXP = Other expenditure (imputed)
<u>AGG12</u>	EXPREMIT = Expenditure on remittances

*Note:* the “corrected” label in files AGG2, AGG7, AGG9 and AGG10 refers to correction for differences in recall duration between urban and rural areas in GLSS3 on one hand, and between GLSS3 and GLSS4 on the other hand. See section 4 for further discussion.

# **DEFINITION OF AGGREGATES AND SUBAGGREGATES**

## **DEFINITION OF SUBAGGREGATE VARIABLES IN SUBAGG\* FILES**

<u>SUBAGG1</u>	SCHOL1 = Aggregation of SCHOL (INC1) over all individuals
<u>SUBAGG2</u>	J1TOT = J1CASH+J1BONK+J1K+J1H+J1TR=J1OTH (all from INC2)
<u>SUBAGG3</u>	J2TOT = J2CASH + J2K+J2H (both from INC3)
<u>SUBAGG4</u>	J3TOT = J3CASH+J3K (both from INC4)
<u>SUBAGG5</u>	J4TOT = J4CASH+J4K (both from INC5)
<u>SUBAGG6</u>	FD = J1K+J2K+J3KI+J4KI (from respectively INC2, INC3 and definition below) HO = J1H+J2HO+J3HO+J4HO (from INC2 and definition below) GD = J1TR+J1OTH+J2TROTH+J3TROTH+J4TROTH (from INC2 and definition below)  SM = MJ1K+MJ1H+MJ1TR+MJ1OTH PK = MJ1K/SM PH = MJ1H/SM PTROTH = (MJ1TR+MJ1OTH)/SM  J2HO = (PH/(PH+PTROTH))*J2H J2TROTH = (PTROTH/(PH+PTROTH))*J2H IF J2HO LE .Z THEN J2HO = 0 IF J2TROTH LE .Z THEN J2TROTH = 0  J3KI = PK*J3K J3HO = PH*J3K J3TROTH = PTROTH*J3K  J4KI = PK*J4K J4HO = PH*J4K J4TROTH = PTROTH*J4K
<u>SUBAGG7</u>	SEFARM = Aggregation of J1SECASH+ J2SECASH+ J3SECASH+ J4SECASH (from INC2, INC3, INC4 and INC5 respectively),for agricultural activities only, over all members of the household.
<u>SUBAGG8</u>	SENONF = Aggregation of J1SECASH+ J2SECASH+ J3SECASH+ J4SECASH (from INC2, INC3, INC4 and INC5 respectively), for non-agricultural activities only, over all members of the household.
<u>SUBAGG9</u>	WATINC = INCWAT (INC6)
<u>SUBAGG10</u>	LNDINC1 = INCLND1 (INC7) LNDINC2 = INCLND2 (INC7)
<u>SUBAGG11</u>	LINVINC = INCLIV (INC8)



<u>SUBAGG12</u>	EQINC = INCEQ (INC9)
<u>SUBAGG13</u>	CRPINC1 = Aggregation of CROPSV1 (INC10) over all crops CRPINC2 = CROPSV2 (INC10) over all crops
<u>SUBAGG14</u>	ROOTINC = Aggregation of ROOTSV (INC11) over all products
<u>SUBAGG15</u>	INCOTHAG = Aggregation of OTHAGINC (INC12) over all products
<u>SUBAGG16</u>	TRCRPINC = INCTRCRP (INC13)
<u>SUBAGG17</u>	NFCINC = Aggregation of INCNFC (INC14) over all enterprises NFKINC = Aggregation of INCNFK (INC14) over all enterprises NFDOMINC = Aggregation of INCNFDOM (INC14) over all enterprises PROFITNF = Aggregation of (PRNFDOM + PRNFUND1+ PRNFUND2+ PRNFUND3, all from INC14) over all firms NFRNTINC = Aggregation of INCNFRNT (INC14) over all enterprises
<u>SUBAGG18</u>	REMINC = Aggregation of INCREM (INC15) over all remittances
<u>SUBAGG19</u>	MISCINC = Aggregation of INCMISC (INC16)
<u>SUBAGG20</u>	EXPEDUC = Aggregation of EDUCEXP (EXP1) over all individuals
<u>SUBAGG21</u>	HHUTILS = WATB1+WATB2 + ELECB + GARB (all from EXP2)
<u>SUBAGG22</u>	EXPLAND = Aggregation of LANDEXP (EXP3)
<u>SUBAGG23</u>	EXCROP = Aggregation of CROPEXP (EXP4)
<u>SUBAGG24</u>	EXPLIV = Aggregation of LIVEXP (EXP5)
<u>SUBAGG25</u>	EXPF DPR1 = Aggregation of FDPREXP1 (EXP6) EXPF DPR2 = Aggregation of FDPREXP2 (EXP6)
<u>SUBAGG26</u>	HOMEPRO = HP (EXP7) over all products
<u>SUBAGG27</u>	EXPYEAR = Aggregation of YREXP (EXP8) over all categories
<u>SUBAGG28</u>	EXPDAY = DAYEXP (EXP9) over all categories
<u>SUBAGG29</u>	EXPFOOD = FOODEXP (EXP10)
<u>SUBAGG30</u>	INPNF = Aggregation of NFINP (EXP11)
<u>SUBAGG31</u>	DEPNEQ = Aggregation of EQDEPN (EXP12) over all categories
<u>SUBAGG32</u>	DEPNASS = Aggregation of ASSDEPN (EXP13) over all enterprises and asset categories
<u>SUBAGG33</u>	EXPREMIT = Aggregation of REMITEXP (EXP14) over all remittances
<u>SUBAGG34</u>	EXPMISC = Aggregation of MISCEXP (EXP15) over all categories

SUBAGG35    VALUSE = Aggregation of USEVAL (EXP16) over all categories

SUBAGG36    RENT1 = IMPRTOWN (EXP18)

SUBAGG37    RENT2 = IMPRTPAR (EXP19)

SUBAGG38    RENT3 = RENTPAID (EXP17)

SUBAGG39    RENT4 = IMPRTEMP (EXP20)

SUBAGG40    RENT5 = IMPRTSQU (EXP21)

## DEFINITION OF AGGREGATE VARIABLES IN AGG\* FILES

AGG1            TOTEMP = J1TOT + J2TOT + J3TOT + J4TOT  
(from files SUBAGG2 to SUBAGG5 respectively)

AGG2            AGRI1 = CRPINC1 + CRPINC2 + ROOTINC + INCOTHAG + TRCRPINC + HOMEPRO -  
EXPLAND - EXCROP - EXLIV - EXPFDPR1 - EXPFDPR2  
AGRI1C = CRPINC1 + CRPINC2 + ROOTINC + INCOTHAG + TRCRPINC + HOMEPROC -  
EXPLAND - EXCROP - EXLIV - EXPFDPR1 - EXPFDPR2  
(from files SUBAGG13 to SUBAGG16, SUBAGG26, SUBAGG22 to SUBAGG25 respectively)  
AGRI2 = HOMEPRO + SEFARM (from SUBAGG26 and SUBAGG7 respectively)  
AGRI2C = HOMEPROC + SEFARM (from SUBAGG26 and SUBAGG7 respectively)  
HHAGDEPN = DEPNEQ (SUBAGG31)

AGG3            NFSEY1 = NFCINC + NFKINC + NFDOMINC INPNF  
(all from SUBAGG17, except INPNF which is from SUBAGG30)  
NFSEY2 = PROFITNF + NFDOMINC (both from SUBAGG17)  
NFSEY3 = SENONF (SUBAGG8) + NFDOMINC (SUBAGG17)  
NFDEPN = DEPNAASS (SUBAGG32)

AGG4            IMPRT = LNDINC1 + LNDINC2 + LIVINC + EQINC + NFRNTINC + RENT1  
(from files SUBAGG10, SUBAGG10, SUBAGG11, SUBAGG12, SUBAGG17 and SUBAGG36 respectively)

AGG5            REMITINC = REMINC (SUBAGG18) + RENT2 (SUBAGG37) + RENT5 (SUBAGG40)

AGG6            OTHERINC = SCHOL1 (SUBAGG1) + WATINC (SUBAGG9) + MISCINC (SUBAGG19)

AGG7            EXPFOOD = EXPFOOD (SUBAGG29)  
EXPFOODC = EXPFOODC (SUBAGG29)

AGG8            HOUSEXP = RENT1 + RENT2 + RENT3 + RENT5 + HOUEMPL (= MAX ( HO, RENT4))  
(from files SUBAGG36, SUBAGG37, SUBAGG38 and SUBAGG40 respectively)

AGG9            OTHEXP = HHUTILS + EXPEDUC + EXPDAY + EXPYEAR + EXPMISC  
OTHEXP = HHUTILS + EXPEDUC + EXPDAYC + EXPYEAR + EXPMISC  
(from files SUBAGG21, SUBAGG20, SUBAGG28, SUBAGG27 and SUBAGG34 respectively)

AGG10

IMPFOOD = HOMEPRO + FD (from SUBAGG26 AND SUBAGG6)  
IMPFOODC = HOMEPROC + FD (from SUBAGG26 AND SUBAGG6)

AGG11

IMPNFEXP = GD + NFDOMINC + VALUSE  
(from respectively SUBAGG6, SUBAGG17 and SUBAGG35)

AGG12

EXPREMIT = EXPREMIT (SUGAGG33)