**The data used in our paper were obtained from the following two extract requests at the server at** [**https://mics.ipums.org**](https://mics.ipums.org)**. The first extract request was used to obtain the survey strata variable IMICSSTRATUM and the second extract request was used to obtain all other variables used in the study.**

**Extract Request (**[**help**](https://mics.ipums.org/mics-action/faq#ques31)**)**

Samples:

4

([hide](https://mics.ipums.org/mics-action/extract_requests/summary))

[Change](https://mics.ipums.org/mics-action/samples)

|  |  |
| --- | --- |
| **Sample** | **Note** |
| [Central African Republic 2010](https://mics.ipums.org/mics/samples.shtml#cf) |  |
| [Ghana 2011](https://mics.ipums.org/mics/samples.shtml#gh) |  |
| [Mali 2009](https://mics.ipums.org/mics/samples.shtml#ml) |  |
| [Sierra Leone 2017](https://mics.ipums.org/mics/samples.shtml#sl) |  |

Variables:

12

([hide](https://mics.ipums.org/mics-action/extract_requests/summary))

[Change](https://mics.ipums.org/mics-action/extract_requests/variables)

|  |  |
| --- | --- |
| **Variable** | **Label** |
| [UNITANALYSIS](https://mics.ipums.org/mics-action/variables/UNITANALYSIS) | Unit of analysis |
| [SAMPLE](https://mics.ipums.org/mics-action/variables/SAMPLE) | IPUMS sample identifier |
| [COUNTRY](https://mics.ipums.org/mics-action/variables/COUNTRY) | Country |
| [YEAR](https://mics.ipums.org/mics-action/variables/YEAR) | Survey year |
| [ROUND](https://mics.ipums.org/mics-action/variables/ROUND) | Survey round |
| [SUBNATIONAL](https://mics.ipums.org/mics-action/variables/SUBNATIONAL) | Subnational survey |
| [SERIAL](https://mics.ipums.org/mics-action/variables/SERIAL) | Serial number |
| [CLUSTER](https://mics.ipums.org/mics-action/variables/CLUSTER) | Cluster number |
| [HHNO](https://mics.ipums.org/mics-action/variables/HHNO) | Household number |
| [RESULTHH](https://mics.ipums.org/mics-action/variables/RESULTHH) | Result of household interview |
| [WEIGHTHH](https://mics.ipums.org/mics-action/variables/WEIGHTHH) | Household sample weight |
| [IMICSSTRATUM](https://mics.ipums.org/mics-action/variables/IMICSSTRATUM) | Unique cross-sample sampling strata (IPUMS MICS) |

Data format:

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Top of Form

Describe your extract

Revision of (IMICSSTRATUM variable at household level for 4 country/year combinations)

Bottom of Form

**Extract Request (**[**help**](https://mics.ipums.org/mics-action/faq#ques31)**)**

Samples:

4

([hide](https://mics.ipums.org/mics-action/extract_requests/summary))

[Change](https://mics.ipums.org/mics-action/samples)

|  |  |
| --- | --- |
| **Sample** | **Note** |
| [Central African Republic 2010](https://mics.ipums.org/mics/samples.shtml#cf) |  |
| [Ghana 2011](https://mics.ipums.org/mics/samples.shtml#gh) |  |
| [Mali 2009](https://mics.ipums.org/mics/samples.shtml#ml) |  |
| [Sierra Leone 2017](https://mics.ipums.org/mics/samples.shtml#sl) |  |

Variables:

143

([hide](https://mics.ipums.org/mics-action/extract_requests/summary))

[Change](https://mics.ipums.org/mics-action/extract_requests/variables)

|  |  |
| --- | --- |
| **Variable** | **Label** |
| [UNITANALYSIS](https://mics.ipums.org/mics-action/variables/UNITANALYSIS) | Unit of analysis |
| [SAMPLE](https://mics.ipums.org/mics-action/variables/SAMPLE) | IPUMS sample identifier |
| [COUNTRY](https://mics.ipums.org/mics-action/variables/COUNTRY) | Country |
| [YEAR](https://mics.ipums.org/mics-action/variables/YEAR) | Survey year |
| [ROUND](https://mics.ipums.org/mics-action/variables/ROUND) | Survey round |
| [SUBNATIONAL](https://mics.ipums.org/mics-action/variables/SUBNATIONAL) | Subnational survey |
| [SERIAL](https://mics.ipums.org/mics-action/variables/SERIAL) | Serial number |
| [CLUSTER](https://mics.ipums.org/mics-action/variables/CLUSTER) | Cluster number |
| [HHNO](https://mics.ipums.org/mics-action/variables/HHNO) | Household number |
| [LINECH](https://mics.ipums.org/mics-action/variables/LINECH) | Child's line number |
| [LINEMC](https://mics.ipums.org/mics-action/variables/LINEMC) | Mother/caretaker's line number |
| [RESULTCH](https://mics.ipums.org/mics-action/variables/RESULTCH) | Result of interview for children under 5 |
| [WEIGHTCH](https://mics.ipums.org/mics-action/variables/WEIGHTCH) | Children under 5 sample weight |
| [REGIONW](https://mics.ipums.org/mics-action/variables/REGIONW) | UN world region |
| [INTERVIEWDAY](https://mics.ipums.org/mics-action/variables/INTERVIEWDAY) | Day of interview |
| [INTERVIEWMO](https://mics.ipums.org/mics-action/variables/INTERVIEWMO) | Month of interview |
| [INTERVIEWYR](https://mics.ipums.org/mics-action/variables/INTERVIEWYR) | Year of interview |
| [DOI](https://mics.ipums.org/mics-action/variables/DOI) | Date of interview (CMC) |
| [IMICSCLUSTER](https://mics.ipums.org/mics-action/variables/IMICSCLUSTER) | Unique cross-sample cluster number (IPUMS MICS) |
| [INTSTARTHR](https://mics.ipums.org/mics-action/variables/INTSTARTHR) | Start of interview - Hour |
| [INTSTARTMIN](https://mics.ipums.org/mics-action/variables/INTSTARTMIN) | Start of interview - Minutes |
| [INTENDHR](https://mics.ipums.org/mics-action/variables/INTENDHR) | End of interview - Hour |
| [INTENDMIN](https://mics.ipums.org/mics-action/variables/INTENDMIN) | End of interview - Minutes |
| [URBAN](https://mics.ipums.org/mics-action/variables/URBAN) | Urban status |
| [AGECH](https://mics.ipums.org/mics-action/variables/AGECH) | Child's age in completed years |
| [AGECHMO](https://mics.ipums.org/mics-action/variables/AGECHMO) | Child's age in months |
| [SEXCH](https://mics.ipums.org/mics-action/variables/SEXCH) | Sex of child |
| [DOBCH](https://mics.ipums.org/mics-action/variables/DOBCH) | Child's date of birth (CMC) |
| [BIRTHMOCH](https://mics.ipums.org/mics-action/variables/BIRTHMOCH) | Month of birth of child |
| [BIRTHYRCH](https://mics.ipums.org/mics-action/variables/BIRTHYRCH) | Year of birth of child |
| [LANGQUEST](https://mics.ipums.org/mics-action/variables/LANGQUEST) | Language of the questionnaire |
| [LANGRESPOND](https://mics.ipums.org/mics-action/variables/LANGRESPOND) | Language of the respondent |
| [LANGINTERVIEW](https://mics.ipums.org/mics-action/variables/LANGINTERVIEW) | Languauge of the interview |
| [ETHNIC\_CF](https://mics.ipums.org/mics-action/variables/ETHNIC_CF) | Ethnicity of household head, Central African Republic |
| [ETHNIC\_GH](https://mics.ipums.org/mics-action/variables/ETHNIC_GH) | Ethnicity of household head, Ghana |
| [ETHNIC\_ML](https://mics.ipums.org/mics-action/variables/ETHNIC_ML) | Ethnicity of household head, Mali |
| [ETHNIC\_SL](https://mics.ipums.org/mics-action/variables/ETHNIC_SL) | Ethnicity of household head, Sierra Leone |
| [WSCORE](https://mics.ipums.org/mics-action/variables/WSCORE) | Wealth index score |
| [WINDEX5](https://mics.ipums.org/mics-action/variables/WINDEX5) | Wealth index quintile |
| [EDLEVELMOM](https://mics.ipums.org/mics-action/variables/EDLEVELMOM) | Highest level of school attended by mother/caretaker |
| [BIRTHCERT](https://mics.ipums.org/mics-action/variables/BIRTHCERT) | Child has birth certificate |
| [BIRTHREG](https://mics.ipums.org/mics-action/variables/BIRTHREG) | Child's birth registered |
| [BIRTHREGKNOW](https://mics.ipums.org/mics-action/variables/BIRTHREGKNOW) | Know how to register birth |
| [ECEATTEND](https://mics.ipums.org/mics-action/variables/ECEATTEND) | Child attends early childhood education programme |
| [ECEHOURS](https://mics.ipums.org/mics-action/variables/ECEHOURS) | Hours of early childhood education in last 7 days |
| [ECECURRENT](https://mics.ipums.org/mics-action/variables/ECECURRENT) | Child currently attends early childhood education programme |
| [CDBOOKSNUM](https://mics.ipums.org/mics-action/variables/CDBOOKSNUM) | Number of children books or picture books for child |
| [CDALONEDAYS](https://mics.ipums.org/mics-action/variables/CDALONEDAYS) | Days during past week child left alone for more than one hour |
| [CDWCHILDDAYS](https://mics.ipums.org/mics-action/variables/CDWCHILDDAYS) | Days during past week child left in care of another child for more than one hour |
| [CD10LETTERS](https://mics.ipums.org/mics-action/variables/CD10LETTERS) | Child identifies at least ten letters of the alphabet |
| [CD4WORDS](https://mics.ipums.org/mics-action/variables/CD4WORDS) | Child reads at least four simple, popular words |
| [CDNUMBERS](https://mics.ipums.org/mics-action/variables/CDNUMBERS) | Child knows name and recognizes symbol of all numbers from 1-10 |
| [CDPICKUP](https://mics.ipums.org/mics-action/variables/CDPICKUP) | Child able to pick up small object with 2 fingers |
| [CDTOOSICK](https://mics.ipums.org/mics-action/variables/CDTOOSICK) | Child sometimes too sick to play |
| [CDFOLLOWDIR](https://mics.ipums.org/mics-action/variables/CDFOLLOWDIR) | Child follows simple directions |
| [CDINDEPEND](https://mics.ipums.org/mics-action/variables/CDINDEPEND) | Child able to do something independently |
| [CDGETALONG](https://mics.ipums.org/mics-action/variables/CDGETALONG) | Child gets along well with other children |
| [CDHITOTH](https://mics.ipums.org/mics-action/variables/CDHITOTH) | Child kicks, bites or hits other children or adults |
| [CDDISTRACT](https://mics.ipums.org/mics-action/variables/CDDISTRACT) | Child gets distracted easily |
| [CDREADMOM](https://mics.ipums.org/mics-action/variables/CDREADMOM) | Mother read books to child in last 3 days |
| [CDREADDAD](https://mics.ipums.org/mics-action/variables/CDREADDAD) | Father read books to child in last 3 days |
| [CDREADOTH](https://mics.ipums.org/mics-action/variables/CDREADOTH) | Someone else in household read books to child in last 3 days |
| [CDREADNONE](https://mics.ipums.org/mics-action/variables/CDREADNONE) | No one in household read books to child in last 3 days |
| [CDSTORYMOM](https://mics.ipums.org/mics-action/variables/CDSTORYMOM) | Mother told stories to child in last 3 days |
| [CDSTORYDAD](https://mics.ipums.org/mics-action/variables/CDSTORYDAD) | Father told stories to child in last 3 days |
| [CDSTORYOTH](https://mics.ipums.org/mics-action/variables/CDSTORYOTH) | Someone else in household told stories to child in last 3 days |
| [CDSTORYNONE](https://mics.ipums.org/mics-action/variables/CDSTORYNONE) | No one in household told stories to child in last 3 days |
| [CDSINGMOM](https://mics.ipums.org/mics-action/variables/CDSINGMOM) | Mother sang songs to child in last 3 days |
| [CDSINGDAD](https://mics.ipums.org/mics-action/variables/CDSINGDAD) | Father sang songs to child in last 3 days |
| [CDSINGOTH](https://mics.ipums.org/mics-action/variables/CDSINGOTH) | Someone else in household sang songs to child in last 3 days |
| [CDSINGNONE](https://mics.ipums.org/mics-action/variables/CDSINGNONE) | No one in household sang songs to child in last 3 days |
| [CDOUTSIDEMOM](https://mics.ipums.org/mics-action/variables/CDOUTSIDEMOM) | Mother took child outside in last 3 days |
| [CDOUTSIDEDAD](https://mics.ipums.org/mics-action/variables/CDOUTSIDEDAD) | Father took child outside in last 3 days |
| [CDOUTSIDEOTH](https://mics.ipums.org/mics-action/variables/CDOUTSIDEOTH) | Someone else in the household took child outside in last 3 days |
| [CDOUTSIDENONE](https://mics.ipums.org/mics-action/variables/CDOUTSIDENONE) | No one took child outside in last 3 days |
| [CDPLAYMOM](https://mics.ipums.org/mics-action/variables/CDPLAYMOM) | Mother played with child in last 3 days |
| [CDPLAYDAD](https://mics.ipums.org/mics-action/variables/CDPLAYDAD) | Father played with child in last 3 days |
| [CDPLAYOTH](https://mics.ipums.org/mics-action/variables/CDPLAYOTH) | Someone else in the household played with child in last 3 days |
| [CDPLAYNONE](https://mics.ipums.org/mics-action/variables/CDPLAYNONE) | No one played with child in last 3 days |
| [CDCOUNTMOM](https://mics.ipums.org/mics-action/variables/CDCOUNTMOM) | Mother spent time with child naming, counting, drawing things in last 3 days |
| [CDCOUNTDAD](https://mics.ipums.org/mics-action/variables/CDCOUNTDAD) | Father spent time with child naming, counting, drawing things in last 3 days |
| [CDCOUNTOTH](https://mics.ipums.org/mics-action/variables/CDCOUNTOTH) | Someone else in the hh spent time with child naming, counting, drawing things in last 3 days |
| [CDCOUNTNONE](https://mics.ipums.org/mics-action/variables/CDCOUNTNONE) | No one spent time with child naming, counting, drawing things in last 3 days |
| [CDTOYOBJ](https://mics.ipums.org/mics-action/variables/CDTOYOBJ) | Child plays with household or outside objects |
| [CDTOYHOME](https://mics.ipums.org/mics-action/variables/CDTOYHOME) | Child plays with homemade toys |
| [CDTOYSHOP](https://mics.ipums.org/mics-action/variables/CDTOYSHOP) | Child plays with store-bought toys |
| [MEASWEIGHT](https://mics.ipums.org/mics-action/variables/MEASWEIGHT) | Child's weight in kilograms |
| [MEASHEIGHT](https://mics.ipums.org/mics-action/variables/MEASHEIGHT) | Child's length or height in centimeters |
| [MEASHOW](https://mics.ipums.org/mics-action/variables/MEASHOW) | Child measured lying or standing |
| [MEASRESULT](https://mics.ipums.org/mics-action/variables/MEASRESULT) | Result of measurement |
| [MEASUNDRESS](https://mics.ipums.org/mics-action/variables/MEASUNDRESS) | Child undressed to minimum |
| [BMI](https://mics.ipums.org/mics-action/variables/BMI) | Body Mass Index WHO |
| [BMIZWHO](https://mics.ipums.org/mics-action/variables/BMIZWHO) | Body Mass Index z-score WHO |
| [HAZWHO](https://mics.ipums.org/mics-action/variables/HAZWHO) | Height for age z-score WHO |
| [WAZWHO](https://mics.ipums.org/mics-action/variables/WAZWHO) | Weight for age z-score WHO |
| [WHZWHO](https://mics.ipums.org/mics-action/variables/WHZWHO) | Weight for height z-score WHO |
| [HAZFLAG](https://mics.ipums.org/mics-action/variables/HAZFLAG) | Height for age flag WHO |
| [WAZFLAG](https://mics.ipums.org/mics-action/variables/WAZFLAG) | Weight for age flag WHO |
| [WHZFLAG](https://mics.ipums.org/mics-action/variables/WHZFLAG) | Weight for height flag WHO |
| [BMIFLAG](https://mics.ipums.org/mics-action/variables/BMIFLAG) | BMI flag WHO |
| [WHZNOAGE](https://mics.ipums.org/mics-action/variables/WHZNOAGE) | Weight for height - Age flag WHO |
| [FEVER](https://mics.ipums.org/mics-action/variables/FEVER) | Child had fever in last two weeks |
| [COUGH](https://mics.ipums.org/mics-action/variables/COUGH) | Child had cough in last two weeks |
| [COUGHDIFFBREATH](https://mics.ipums.org/mics-action/variables/COUGHDIFFBREATH) | Child had difficulty breathing with a cough in last two weeks |
| [COUGHCHEST](https://mics.ipums.org/mics-action/variables/COUGHCHEST) | Child breathing difficulty due to chest or nose |
| [DIARR](https://mics.ipums.org/mics-action/variables/DIARR) | Child had diarrhea in last two weeks |
| [DIARRORSPACK](https://mics.ipums.org/mics-action/variables/DIARRORSPACK) | Child given fluid from ORS packet for diarrhea |
| [DIARRORSPREPACK](https://mics.ipums.org/mics-action/variables/DIARRORSPREPACK) | Child given prepacked ORS fluid for diarrhea |
| [DIARRFLUID](https://mics.ipums.org/mics-action/variables/DIARRFLUID) | Child amount of fluid consumed during diarrhea |
| [DIARRFOOD](https://mics.ipums.org/mics-action/variables/DIARRFOOD) | Child amount of food consumed during diarrhea |
| [DIARRZINC](https://mics.ipums.org/mics-action/variables/DIARRZINC) | Child given zinc tablets or syrup for diarrhea |
| [FEVERBLOODTEST](https://mics.ipums.org/mics-action/variables/FEVERBLOODTEST) | Child had blood taken for testing during fever |
| [BFEVER](https://mics.ipums.org/mics-action/variables/BFEVER) | Child ever been breastfed |
| [BFNOW](https://mics.ipums.org/mics-action/variables/BFNOW) | Child still being breastfed |
| [DRANKBOTTLE](https://mics.ipums.org/mics-action/variables/DRANKBOTTLE) | Child drank anything from a bottle with a nipple yesterday |
| [DRANKORS](https://mics.ipums.org/mics-action/variables/DRANKORS) | Child drank oral rehydration solution yesterday |
| [DRANKVIT](https://mics.ipums.org/mics-action/variables/DRANKVIT) | Child drank or ate vitamin or mineral supplements yesterday |
| [DRANKWATER](https://mics.ipums.org/mics-action/variables/DRANKWATER) | Child drank plain water yesterday |
| [DRANKJUICE](https://mics.ipums.org/mics-action/variables/DRANKJUICE) | Child drank juice or sweetened drinks yesterday |
| [DRANKBROTH](https://mics.ipums.org/mics-action/variables/DRANKBROTH) | Child drank clear broth or soup yesterday |
| [DRANKFORM](https://mics.ipums.org/mics-action/variables/DRANKFORM) | Child drank infant formula yesterday |
| [DRANKFORMNUM](https://mics.ipums.org/mics-action/variables/DRANKFORMNUM) | Times child drank infant formula |
| [DRANKMILK](https://mics.ipums.org/mics-action/variables/DRANKMILK) | Child drank milk from animals yesterday |
| [DRANKMILKNUM](https://mics.ipums.org/mics-action/variables/DRANKMILKNUM) | Times child drank milk from animals |
| [DRANKOTHLIQ](https://mics.ipums.org/mics-action/variables/DRANKOTHLIQ) | Child drank any other liquid yesterday |
| [ATEYOGURT](https://mics.ipums.org/mics-action/variables/ATEYOGURT) | Child drank or ate yogurt yesterday |
| [ATEYOGURTNUM](https://mics.ipums.org/mics-action/variables/ATEYOGURTNUM) | Times drank or ate yogurt |
| [ATEGRAIN](https://mics.ipums.org/mics-action/variables/ATEGRAIN) | Child ate foods made from grains yesterday |
| [ATEPORR](https://mics.ipums.org/mics-action/variables/ATEPORR) | Child ate porridge yesterday |
| [ATESQUASH](https://mics.ipums.org/mics-action/variables/ATESQUASH) | Child ate food that have yellow or orange inside yesterday |
| [ATEROOT](https://mics.ipums.org/mics-action/variables/ATEROOT) | Child ate root vegetables yesterday |
| [ATELEAF](https://mics.ipums.org/mics-action/variables/ATELEAF) | Child ate green leafy vegetables yesterday |
| [ATEVITA](https://mics.ipums.org/mics-action/variables/ATEVITA) | Child ate vitamin A rich fruits yesterday |
| [ATEOTHFRUITVEG](https://mics.ipums.org/mics-action/variables/ATEOTHFRUITVEG) | Child ate other fruits or vegetables yesterday |
| [ATELIVER](https://mics.ipums.org/mics-action/variables/ATELIVER) | Child ate organ meat yesterday |
| [ATEMEAT](https://mics.ipums.org/mics-action/variables/ATEMEAT) | Child ate meat yesterday |
| [ATEEGG](https://mics.ipums.org/mics-action/variables/ATEEGG) | Child ate eggs yesterday |
| [ATEFISH](https://mics.ipums.org/mics-action/variables/ATEFISH) | Child ate seafood yesterday |
| [ATEBEANS](https://mics.ipums.org/mics-action/variables/ATEBEANS) | Child ate beans, peas, lentils yesterday |
| [ATECHEESE](https://mics.ipums.org/mics-action/variables/ATECHEESE) | Child ate dairy yesterday |
| [ATEOTHFOOD](https://mics.ipums.org/mics-action/variables/ATEOTHFOOD) | Child ate other solid, semi-solid or soft food yesterday |
| [ATEFOOD](https://mics.ipums.org/mics-action/variables/ATEFOOD) | Child ate solid, semi-solid or soft food yesterday |
| [ATEFOODNUM](https://mics.ipums.org/mics-action/variables/ATEFOODNUM) | Times child ate solid, semi-solid or soft food |

Data format:

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Top of Form

Describe your extract

Bottom of Form