

# Package ‘PakPMICS2018fs’

July 21, 2025

**Type** Package

**Title** Multiple Indicator Cluster Survey (MICS) 2017-18 Children Age 5-17 Questionnaire Data for Punjab, Pakistan

**Version** 0.1.0

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**Description** Provides data set and function for exploration of Multiple Indicator Cluster Survey (MICS) 2017-18 Children Age 5-17 questionnaire data for Punjab, Pakistan. The results of the present survey are critically important for the purposes of Sustainable Development Goals (SDGs) monitoring, as the survey produces information on 32 global Sustainable Development Goals (SDGs) indicators. The data was collected from 53,840 households selected at the second stage with systematic random sampling out of a sample of 2,692 clusters selected using probability proportional to size sampling. Six questionnaires were used in the survey: (1) a household questionnaire to collect basic demographic information on all de jure household members (usual residents), the household, and the dwelling; (2) a water quality testing questionnaire administered in three households in each cluster of the sample; (3) a questionnaire for individual women administered in each household to all women age 15-49 years; (4) a questionnaire for individual men administered in every second household to all men age 15-49 years; (5) an under-5 questionnaire, administered to mothers (or caretakers) of all children under 5 living in the household; and (6) a questionnaire for children age 5-17 years, administered to the mother (or caretaker) of one randomly selected child age 5-17 years living in the household (<<http://www.mics.unicef.org/surveys>>).

**Depends** R (>= 3.5.0)

**Imports** tibble

**License** GPL-2

**URL** <https://github.com/myaseen208/PakPMICS2018fs>,  
<https://myaseen208.github.io/PakPMICS2018fs/>

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.1.1

**Note** Department of Mathematics and Statistics, University of Agriculture Faisalabad, Faisalabad-Pakistan.

**Suggests** testthat, R.rsp

**VignetteBuilder** R.rsp

**NeedsCompilation** no

**Repository** CRAN

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## Description

PakPMICS2018fs provides data set and function for exploration of Multiple Indicator Cluster Survey (MICS) 2017-18 Children Age 5-17 questionnaire data for Punjab, Pakistan. The results of the present survey are critically important for the purposes of SDG monitoring, as the survey produces information on 32 global SDG indicators. The data was collected from 53,840 households selected at the second stage with systematic random sampling out of a sample of 2,692 clusters selected using Probability Proportional to size sampling. Six questionnaires were used in the survey: 1. a household questionnaire to collect basic demographic information on all de jure household members (usual residents), the household, and the dwelling; 2. a water quality testing questionnaire administered in three households in each cluster of the sample; 3. a questionnaire for individual women administered in each household to all women age 15-49 years; 4. a questionnaire for individual men administered in every second household to all men age 15-49 years; 5. an under-5 questionnaire, administered to mothers (or caretakers) of all children under 5 living in the household; and 6. a questionnaire for children age 5-17 years, administered to the mother (or caretaker) of one randomly selected child age 5-17 years living in the household.

## Usage

```
data(PakPMICS2018fs)
```

## Format

A data frame with 37052 rows and 276 variables:

HH1 Cluster number

HH2 Household number

LN Line number

FS1 Cluster number

FS2 Household number  
FS3 Child's line number  
FSINT Interviewer number  
FS4 Mother / Caretaker's line number  
FS5 Interviewer number  
FS6 Supervisor's number  
FS7D Day of interview  
FS7M Month of interview  
FS7Y Year of interview  
FS9 First interview with this respondent  
FS10 Consent  
FS17 Result of interview for children 5-17  
FS8H Start of interview - Hour  
FS8M Start of interview - Minutes  
FS11H End of interview - Hour  
FS11M End of interview - Minutes  
FS12 Language of the Questionnaire  
FS13 Language of the Interview  
FS14 Native language of the Respondent  
FS15 Translator used  
FSHINT Household interviewer  
CB2M Month of birth of child  
CB2Y Year of birth of child  
CB3 Age of child  
CB4 Ever attended school or early childhood programme  
CB5A Highest level of education attended  
CB5B Highest grade attended at that level  
CB6 Ever completed that grade/year  
CB7 Attended school or early childhood programme during current school year  
CB8A Level of education attended current school year  
CB8B Grade of education attended current school year  
CB9 Attended school or early childhood programme during previous school year  
CB10A Level of education attended previous school year  
CB10B Grade of education attended previous school year  
CB11 Covered by any health insurance  
CB12A Health insurance - PUBLIC HEALTH INSURANCE  
CB12B Health insurance - Health insurance through employer

CB12C Health insurance - Social security  
CB12D Health insurance - Other privately purchased commercial health insurance  
CB12X Health insurance - Other  
CB12NR Health insurance - Missing  
CL1A Worked or helped on garden in past week  
CL1B Helped in family business in past week  
CL1C Produced or sold articles in past week  
CL1X Engaged in any other activity for income in past week  
CL3 Hours worked in past week  
CL4 Activities required carrying heavy loads  
CL5 Activities required working with dangerous tools or heavy machinery  
CL6A Description of work: exposed to dust, fumes, or gas  
CL6B Description of work: exposed to extreme temperatures or humidity  
CL6C Description of work: exposed to loud noise or vibration  
CL6D Description of work: required to work at heights  
CL6E Description of work: required to work with chemicals  
CL6X Description of work: exposed to other  
CL7 Fetched water in past week  
CL8 Hours spent fetching water in past week  
CL9 Collected firewood in past week  
CL10 Hours spent collecting firewood in past week  
CL11A Household chores in past week: shopping  
CL11B Household chores in past week: cooking  
CL11C Household chores in past week: washing dishes or cleaning around the house  
CL11D Household chores in past week: washing/iron clothes  
CL11E Household chores in past week: caring for children  
CL11F Household chores in past week: caring for old or sick  
CL11X Household chores in past week: other household tasks  
CL13 Number of hours engaged in past week  
FCD2A Took away privileges  
FCD2B Explained why behaviour was wrong  
FCD2C Shook child  
FCD2D Shouted, yelled or screamed at child  
FCD2E Gave child something else to do  
FCD2F Spanked, hit or slapped child on bottom with bare hand  
FCD2G Hit child on the bottom or elsewhere with belt, brush, stick, etc.  
FCD2H Called child dumb, lazy or another name

- FCD2I Hit or slapped child on the face, head or ears
- FCD2J Hit or slapped child on the hand, arm or leg
- FCD2K Beat child up as hard as one could
- FCD5 Child needs to be physically punished to be brought up properly
- FCF1 Child wear glasses or contact lenses
- FCF2 Child uses hearing aid
- FCF3 Child uses any equipment or receive assistance for walking
- FCF6 Child has difficulty seeing
- FCF8 Child has difficulty hearing sounds like people voices or music
- FCF10 Without using equipment or assistance child has difficulty walking 100 meters
- FCF11 Without using equipment or assistance child has difficulty walking 500 meters
- FCF12 When using equipment or assistance child has difficulty walking 100 meters
- FCF13 When using equipment or assistance child has difficulty walking 500 meters
- FCF14 Compared with children of the same age, child has difficulty walking 100 meters
- FCF15 Compared with children of the same age, child has difficulty walking 500 meters
- FCF16 Child has difficulty with self-care such as feeding or dressing
- FCF17 Child has difficulty being understood by people inside of this household
- FCF18 Child has difficulty being understood by people outside of this household
- FCF19 Compared with children of the same age, child has difficulty learning things
- FCF20 Compared with children of the same age, child has difficulty remembering things
- FCF21 Child has difficulty concentrating on an activity that he/she enjoys
- FCF22 Child has difficulty accepting changes in his/her routine
- FCF23 Compared with children of the same age, child have difficulty controlling his/her behaviour
- FCF24 Child has difficulty making friends
- FCF25 How often child seems very anxious, nervous or worried
- FCF26 How often child seems very sad or depressed
- PR3 Number of children's books or picture books for child
- PR5 Child ever had homework
- PR6 Anyone helps child with homework
- PR7 School have a School Governing Body in which parents can participate
- PR8 Attended a PTA / SMC meeting in the last 12 months
- PR9A At meeting - discussed a plan for addressing key education issues faced by child's school
- PR9B At meeting - discussed school budget or use of funds received by child's school
- PR10 In the last 12 months - received a student or student report card
- PR11A In the last 12 months gone to school for - a school assembly, a school celebration or a sport event
- PR11B In the last 12 months gone to school for - to discuss child's progress with child's teachers

PR12A In the last 12 months school closed due to - natural disasters  
PR12B In the last 12 months school closed due to - man made disasters  
PR12C In the last 12 months school closed due to - teacher strike or teacher absenteesim  
PR12X In the last 12 months school closed due to - any other reasons  
PR13 In the last 12 months, child was unable to attend class due to teacher being absent  
PR15 Contacted the school officials or school governing bodies when this happened  
FL1 Consent  
FL2H Start of interview with child - Hour  
FL2M Start of interview with child - Minutes  
FL3 Consent  
FL4A You are not alone with the child unless they are at least visible to an adult known to the child  
FL4B You have engaged the child in conversation and built rapport e.g. using an Icebreaker  
FL4C The child is sat comfortably, able to use the Reading & Numbers Book without difficulty while you can see which page is open  
FL6A child read books  
FL6B someone read books to child  
FL7 Language child speaks most of the time at home  
FL9 Language teacher use most of the time when teaching child in class  
FL10 Like to read story  
FL13 Giving the Child book - Manual introduction  
FL14 Child read every word in the practice correctly  
FL15 Reading done: How old is Mano?  
FL16 Mano is 5 years old  
FL17 Another question: Who is older: Mano or Motie?  
FL18 Motie is older than Mano. Motie is 6 and Mano is 5.  
FLINTRO INTRO  
FL19W1 Word1  
FL19W2 Word2  
FL19W3 Word3  
FL19W4 Word4  
FL19W5 Word5  
FL19W6 Word6  
FL19W7 Word7  
FL19W8 Word8  
FL19W9 Word9  
FL19W10 Word10  
FL19W11 Word11

FL19W12 Word12  
FL19W13 Word13  
FL19W14 Word14  
FL19W15 Word15  
FL19W16 Word16  
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FL19W66 Word66  
FL19W67 Word67  
FL19W68 Word68  
FL19W69 Word69  
FL19W70 Word70  
FL19W71 Word71  
FL19W72 Word72  
FL20A Total number of words attempted  
FL20B Total number of words incorrect or missed  
FL21 How well did child read the story  
FL22A Story comprehension: 1 (What class is Amjad in)  
FL22B Story comprehension: 2 (What did Amjad see on the way home)  
FL22C Story comprehension: 3 (Why did Amjad start crying)  
FL22D Story comprehension: 4 (Where did Amjad fall (down))  
FL22E Story comprehension: 5 (Why was Amjad happy)  
FL23A Child recognizes symbol: 9  
FL23B Child recognizes symbol: 12  
FL23C Child recognizes symbol: 30  
FL23D Child recognizes symbol: 48  
FL23E Child recognizes symbol: 74



FL23F Child recognizes symbol: 731  
 FL24A Child identifies bigger of two numbers: 7-5  
 FL24B Child identifies bigger of two numbers: 11-24  
 FL24C Child identifies bigger of two numbers: 58-49  
 FL24D Child identifies bigger of two numbers: 65-67  
 FL24E Child identifies bigger of two numbers: 146-154  
 FL25A Child adds numbers correctly: 3+2  
 FL25B Child adds numbers correctly: 8+6  
 FL25C Child adds numbers correctly: 7+3  
 FL25D Child adds numbers correctly: 13+6  
 FL25E Child adds numbers correctly: 12+24  
 FL26 Manual intro  
 FL27A Child identifies next number: 5-6-7-X  
 FL27B Child identifies next number: 14-15-X-17  
 FL27C Child identifies next number: 20-X-40-50  
 FL27D Child identifies next number: 2-4-6-X  
 FL27E Child identifies next number: 5-8-11-X  
 FL28 Result of interview with selected child (7-14 years)  
 HH4 Supervisor number  
 HH6 Area  
 HL4 Sex  
 ED5A Highest level of education attended  
 ED5B Highest grade attended at that level  
 FSAGE Age  
 FSD0I Date of interview child 5-17 (CMC)  
 FSD0B Date of birth of child 5-17 (CMC)  
 HH56 Number of CF questionnaires completed (age 5-17 years)  
 fsweight Children 5-17's sample weight  
 caretakerdis Mother's functional disabilities (age 18-49 years)  
 wscore Combined wealth score  
 windex5 Wealth index quintile  
 windex10 Percentile Group of com1  
 wscoreu Urban wealth score  
 windex5u Urban wealth index quintile  
 windex10u Percentile Group of urbl  
 wscorer Rural wealth score  
 windex5r Rural wealth index quintile

windex10r Percentile Group of rur1  
division Division  
majorcity majorcity  
hh6r Area  
suburban  
hh7 Districts  
fselevel Child's education  
fsinsurance Health insurance  
fsdisability Functional difficulties  
melevel Mother's education  
schage Age at beginning of school year  
HH52 Number of children age 5-17 years  
fshweight Children 5-17's household sample weight  
stratum stratum  
psu psu

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2. Muhammad Usman (<usmann75@hotmail.com>)

**References**

1. UNICEF MICS (<http://www.mics.unicef.org/surveys>).

**Examples**

```
data(PakPMICS2018fs)
```

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## \* **datasets**

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