

Survey on Childcare Needs, Time Use and Child Well-being in Indonesia, 2022

Data Documentation

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1 Survey Overview

The Care Economy survey examines childcare arrangements, employment patterns, household economics, and child development outcomes across 3,000 households in Indonesia. The survey instrument covers 14 thematic sections:

- Household demographics and composition
- Employment and economic activity
- Housing conditions and assets
- Childcare arrangements, costs, and preferences
- Time-use patterns
- Child development assessments (ECDI/CREDI)
- Mental health indicators
- Domestic helper information

2 Questionnaire

The survey instrument is the `Questionnaire.pdf` file that is also attached to the Microdata submission.

2.1 Survey Sections

Section	Topic
X/A	Interview metadata
B	Household roster
C	Functional difficulties
D	Employment and income
E	Housing
F	Assets
G	Childcare arrangements
H	Childcare preferences
I	Attitudes and WTP
J	Work-childcare tradeoffs
K	Time use
L	Mental health
M	Child development
N	Domestic helpers

3 Output Data Files

The Microdata attaches 24 cleaned, analysis-ready Stata datasets, summarized as follows:

File	Unit of Analysis	Records	Description
XA.dta	Household	3,000	Interview metadata and geography
B.dta	Household	3,000	Household summary (head, respondent, child)
B_Roster.dta	Person	~20,000	Individual demographics
C.dta	Household	3,000	Disability indicators
C_Roster.dta	Person	~20,000	Functional difficulty details
D_Roster.dta	Person (15+)	~20,000	Employment data
D_HHIncome.dta	Household	3,000	Monthly income
E.dta	Household	3,000	Housing characteristics
F.dta	Household	3,000	Asset ownership
G01_Roster.dta	Child (0-6)	~3,000	Childcare arrangement types
G02_Childcare.dta	Arrangement	~45,000	Childcare arrangement details
G03.dta	Household	3,000	Facility barriers and quality
H_Roster.dta	Age group	~9,000	Preferences by age group (3 per HH)
H.dta	Household	3,000	Usefulness ratings
I.dta	Household	3,000	Attitudes and WTP
J.dta	Household	3,000	Work-childcare tradeoffs
K_TimeUse.dta	Time slot	~144,000	Activity diary (48 per HH)
K.dta	Household	3,000	Time-use metadata
L.dta	Household	3,000	Mental health screening
M.dta	Child	~3,000	Child development

(continued)

File	Unit of Analysis	Records	Description
N_Roster.dta	Helper	~15,000	Domestic helper details
N.dta	Household	3,000	Helper market perceptions
PMT.dta	Household	3,000	Welfare rank, quintile, decile (Susenas 2022 PMT)
HH_Weights.dta	Household	3,000	Survey weights

4 Dataset Descriptions

4.1 XA.dta — Interview Metadata and Geography

Household-level file containing interview administration records: household IDs, interview dates and times, enumerator information, and geographic codes (province, district, subdistrict, and village). This file serves as the geographic spine of the dataset and is unique by HHID across all 3,000 households.

4.2 B.dta — Household Summary

Household-level file identifying the household head, primary survey respondent, and the selected focal child. Serves as the household-level anchor for linking person-level and child-level records.

4.3 B_Roster.dta — Individual Household Member Demographics

Person-level file with one record per household member. Contains each member's relationship to the household head, age, educational attainment, marital status, and parental information.

4.4 C.dta — Household Disability Indicators

Household-level file flagging whether any household members have functional difficulties or disabilities. Serves as a summary counterpart to the individual-level C_Roster.

4.5 C_Roster.dta — Individual Functional Difficulties

Person-level file capturing self-reported difficulty levels across six functional domains: seeing, hearing, walking/climbing stairs, remembering/concentrating, self-care, and communication.

4.6 D_Roster.dta — Individual Employment Data

Person-level file restricted to adults aged 15 and older. Contains work status, occupation type, industry, weekly hours worked, employment income, and reported COVID-19 impacts on employment. Linked to B_Roster for age validation.

4.7 D_HHIncome.dta — Household Monthly Income

Household-level file recording total household monthly income in Indonesian Rupiah (IDR).

4.8 E.dta — Housing Characteristics

Household-level file covering housing tenure, floor area, primary building materials (roof, walls, floor), sanitation facilities, water sources, lighting, and cooking fuel type.

4.9 F.dta — Asset Ownership

Household-level file with binary ownership indicators for 13 asset types: LPG cylinder, refrigerator, air conditioning, water heater, mobile phone, computer, jewelry/savings, motorcycle, boat, motorboat, car, television, and land.

4.10 G01_Roster.dta — Childcare Arrangement Types

Child-level file (children aged 0–6) identifying the types of childcare arrangements currently used for each child. Serves as the roster linking children to their arrangement records in G02_Childcare.

4.11 G02_Childcare.dta — Detailed Childcare Arrangements

Arrangement-level file — the most granular childcare dataset. For each of up to 15 arrangement types per child, it records caregiver details, weekly hours, costs, parental satisfaction, and reported impacts of the COVID-19 pandemic on the arrangement.

15 Arrangement Types Covered:

1. Home with mother
2. Home with father
3. Family household member
4. Non-family household member
5. Nanny (non-household)
6. Daycare / TPA
7. TAS (Taman Anak Sejahtera)
8. Playgroup
9. Kindergarten
10. Other ECE programs
11. Other family (non-household)
12. Friends
13. Neighbor
14. Domestic helper (non-household)
15. Other

4.12 G03.dta — Childcare Facility Barriers and Quality

Household-level file capturing reasons for not using formal childcare facilities, information sources used to learn about facilities, and reported challenges in accessing or using childcare.

4.13 H_Roster.dta — Childcare Preferences by Age Group

Age-group-level file with three records per household (one per age band: 0–12 months, 13–36 months, 37–72 months). Records preferred timing of childcare, desired improvements to existing arrangements, and preferred arrangement types for each age group.

4.14 H.dta — Childcare Usefulness Ratings

Household-level file containing respondent ratings of the importance of nine childcare quality factors: personnel, facilities, scheduling flexibility, activities, curriculum, spiritual/religious aspects, cost, location, and ancillary services.

4.15 I.dta — Childcare Attitudes and Willingness-to-Pay

Household-level file with eight Likert-scale attitude items on childcare norms and gender roles, eight items on who influences childcare decisions, and willingness-to-pay amounts for a proposed new childcare facility.

4.16 J.dta — Work-Childcare Tradeoffs

Household-level file documenting employment history after childbirth, work-related problems attributed to childcare responsibilities, employer support measures received (across 11 support types), intentions to change jobs, and reasons for current non-participation in the labor market.

4.17 K_TimeUse.dta — Time-Use Activity Diary

Time-slot-level file with 48 records per household, representing two diary days divided into 24 half-hour blocks each. Each record captures the primary activity code, whether the activity included childcare, and whether elderly care was also occurring during that slot.

4.18 K.dta — Time-Use Survey Metadata

Household-level file with contextual information about the time-use diary, including whether the recorded day was typical of the respondent's usual routine.

4.19 L.dta — Mental Health Screening

Household-level file with four mental health screening items covering: anxiety and nervousness, ability to control worry, feelings of depression or hopelessness, and loss of interest in daily activities. The instrument is similar in structure to the GAD-2/PHQ-4 screening tools.

4.20 M.dta — Child Development Assessment

Child-level file with age-stratified developmental assessments for the focal child:

- **Ages 0–35 months:** Developmental milestones across 20 items per 6-month age band
- **Ages 36–47 months:** Early Childhood Development Index (ECDI) items
- **Ages 48+ months:** Pre-literacy and school readiness indicators

4.21 N_Roster.dta — Domestic Helper Details

Helper-level file with up to 5 domestic helpers per household. Contains each helper's demographics, employment terms (hours, wages, duration), duties performed, and whether the helper has received any childcare-related training.

4.22 N.dta — Domestic Helper Market Perceptions

Household-level file capturing respondent ratings of the importance of various helper qualities and perceptions of trends in the domestic worker labor market.

4.23 PMT.dta — Proxy Means Test Welfare Rankings

Household-level file derived from the Susenas 2022 Proxy Means Test (PMT). Contains each household’s welfare rank, quintile classification, and decile classification. All 3,000 HHIDs are validated against Section B.

4.24 HH_Weights.dta — Survey Weights

Household-level file containing the sampling weight for each household, for use in producing nationally-representative estimates. All 3,000 HHIDs are validated against Section B.

5 Key Identifiers

Identifier	Format	Description
HHID	10-digit	Household ID: PPDDSSCCHHH (Province–District–Subdistrict–Village–HH number)
PID	2-digit	Person ID within household (01–25)
g02_index	1–15	Childcare arrangement type index (G02_Childcare only)
age_grp	1–3	Age group within household: 1 = 0–12 mo, 2 = 13–36 mo, 3 = 37–72 mo (H_Roster only)
helper_index	1–5	Domestic helper index within household (N_Roster only)
time	Half-hour slot	Time slot identifier within diary day (K_TimeUse only)

6 Linkage Structure

Datasets are designed to be merged using the identifiers above. The table below shows the unique key for each file type and which files share that structure.

Merge Level	Unique Key	Files
Household	HHID	XA, B, C, D_HHIncome, E, F, G03, H, I, J, K, L, N, PMT, HH_Weights
Person	HHID + PID	B_Roster, C_Roster, D_Roster
Child arrangement	HHID + PID + g02_index	G02_Childcare
Child (0–6)	HHID + PID	G01_Roster, M
Age group	HHID + age_grp	H_Roster
Domestic helper	HHID + helper_index	N_Roster
Time slot	HHID + time slot	K_TimeUse

6.1 Recommended Merge Paths

- To link **person-level** outcomes (employment, disability) to household characteristics: merge on HHID after collapsing or using household-level files.
- To link **childcare arrangements** to child or household attributes: merge G02_Childcare to G01_Roster on HHID + PID, then to B_Roster on HHID + PID.
- To produce **weighted estimates**: merge any file to HH_Weights on HHID and apply the survey weight variable.
- To assign **welfare quintiles/deciles**: merge any file to PMT.dta on HHID.