# Time Use Survey: South Africa

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# Outline

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# Background

**Time Use is a survey on how on average, people spend their time on different activities. It's conducted every 5 years in South Africa.**

- 1st SA Time Use Survey (TUS) was conducted in 2000
- 2nd TUS was conducted in 2010
- 3rd TUS was meant to be conducted 2016 but it did not place
- Next one proposed for 2020….

# Objectives for SA:TUS

- To measure and analyze time spent from day to day by different individuals

- To provide information on the division of both paid and unpaid labour between women and men

- To gain more understanding of productive activities such as subsistence work and casual work.

- To inform government policy more broadly across the whole range of gender issues

# Sample Design

Independent (stand-alone) household-based survey dedicated to time use data collection.

Sample of 3 324 PSUs

–Approximately 33 000 dwelling units

–The sample is designed to report at National, Provincial and metro level. Currently the reports are at national and provincial levels.

**Note: previous 2000 did not report at metro level due to their design.**

# Methodology

- Cover all households in randomly selected dwelling units

- Eligibility - persons 10 years and above, Women and Men

- 2 eligible household members are randomly selected using the grid

- Face to face recall interview

- Data collected using Paper Assisted Personal Interview (PAPI)

- 24 hours Full Time Diary for recording activities

  (4am a day before interview and 4am on the day of the interview)

- Activity recording is per 30-minute intervals

- Up to 3 activities per 30 minute intervals are recorded

# Selection grid: Template

| Persons 10 yrs + | HH1 | | HH2 | | HH3 | | HH4 | | HH5 | | HH6 | | HH7 | | HH8 | | HH9 | | HH10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| 3 | 1 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 1 | 3 | 2 | 3 | 1 | 2 | 2 | 3 | 1 | 3 | 2 | 3 |
| 4 | 2 | 4 | 1 | 3 | 1 | 3 | 2 | 4 | 1 | 3 | 2 | 4 | 1 | 3 | 2 | 4 | 1 | 3 | 2 | 4 |
| 5 | 3 | 5 | 1 | 4 | 1 | 3 | 2 | 4 | 1 | 5 | 2 | 4 | 2 | 4 | 4 | 5 | 1 | 2 | 2 | 4 |
| 6 | 5 | 6 | 4 | 6 | 1 | 2 | 1 | 2 | 1 | 5 | 4 | 6 | 1 | 5 | 3 | 5 | 4 | 6 | 1 | 3 |
| 7 | 2 | 6 | 4 | 6 | 2 | 5 | 5 | 7 | 2 | 4 | 4 | 7 | 5 | 7 | 1 | 4 | 2 | 6 | 1 | 4 |
| 8 | 1 | 5 | 1 | 3 | 6 | 8 | 2 | 5 | 1 | 4 | 5 | 6 | 2 | 3 | 5 | 7 | 6 | 8 | 2 | 8 |
| 9 | 4 | 9 | 1 | 3 | 4 | 9 | 1 | 5 | 2 | 7 | 2 | 9 | 2 | 3 | 4 | 5 | 7 | 8 | 2 | 6 |
| 10 | 3 | 9 | 1 | 6 | 2 | 3 | 4 | 9 | 1 | 3 | 8 | 10 | 5 | 6 | 3 | 7 | 2 | 5 | 8 | 9 |

- Count number of people >=10 years in a HH
- Check row with that number of people against the HH number. E.g. if 4 people in HH1, then interview persons 2 and 4. Next HH with 4 persons, interview persons 1 and 3, etc.
- Cross out the combination once used to avoid choosing same person numbers for the next HH.

# Data items

- Household information
- Demographics
- Respondent's relationship to other members of the household
- Marital status
- Highest level of education
- Economic activities
- Main work activity

# Data items covered in the Diary

- Activity
- For multiple activities – were they done at the same time or one after the other
- Location 1 (where activity took place)
- Location 2 (whether activity took place inside/outside dwelling, another dwelling, while travelling on foot, by bus, train, etc).

# Sample diary

NOTE: Repeat these questions for each half an hour period. Fill in the description of each activity the same time and location columns while with the respondent. Add the activity codes after the interview is finished.

| Time | Q5.3 What were you doing between (04h00) and (04h30)? *Record activity in first line for time period* *Record one activity per line* Q5.4 What else were you doing *(If more than one activity mentioned)* *(Fill in activities on next two lines for the time period)* | Code | Q5.5 Did you do the activities at the same time? | Q5.6.a Where were you when you did the activity? *(Location 1)* | Q5.6.b Where were you when you did the activity? *Location 2)* | Location code 1 |
|---|---|---|---|---|---|---|
| | 1 to 3 activities per time period | | Yes  No | | | 1 = Own dwelling/Home |
| 04h00 | | | 1  2 | | | 2 = Someone else's dwelling |
| to | | | 1  2 | | | 3 = Field farm or other agricultural workplace |
| 04h30 | | | 1  2 | | | 4 = Other workplace outside private dwelling |
| 04h30 | | | 1  2 | | | 5 = Education establishment |
| to | | | 1  2 | | | 6 = Public area i.e. not in private dwelling workplace or educational establishment |
| 05h00 | | | 1  2 | | | 7 = Traveling or waiting to travel |
| 05h00 | | | 1  2 | | | 8 = Other |
| to | | | 1  2 | | | |
| 5h30 | | | 1  2 | | | **Location code 2** |
| 5h30 | | | 1  2 | | | 1 = Inside |
| to | | | 1  2 | | | 2 = Outside |
| 6h00 | | | 1  2 | | | 3 = Traveling on foot |
| 06h00 | | | 1  2 | | | 4 = Traveling by private transport (car, van, motorcycle) |
| to | | | 1  2 | | | 5 = Traveling by taxi (minibus or other) |
| 06h30 | | | 1  2 | | | 6 = Traveling by train |
| 06h30 | | | 1  2 | | | 7 = Traveling by bus |
| to | | | 1  2 | | | 8 = Traveling by bicycle |
| 07h00 | | | 1  2 | | | 9 = Traveling by other means |
| 07h00 | | | 1  2 | | | |
| to | | | 1  2 | | | |
| 07h30 | | | 1  2 | | | |
| 07h30 | | | 1  2 | | | |
| to | | | 1  2 | | | |
| 08h00 | | | 1  2 | | | |
| 08h00 | | | 1  2 | | | |
| to | | | 1  2 | | | |
| 08h30 | | | 1  2 | | | |

| Time | Q5.3 What were you doing between (04h00) and (04h30)? *Record activity in first line for time period* *Record one activity per line* Q5.4 What else were you doing *(If more than one activity mentioned)* *(Fill in activities on next two lines for the time period)* | Code | Q5.5 Did you do the activities at the same time? | Q5.6.a Where were you when you did the activity? *(Location 1)* | Q5.6.b Where were you when you did the activity? *Location 2)* | Location code 1 |
|---|---|---|---|---|---|---|
| | 1 to 3 activities per time period | | Yes  No | | | 1 = Own dwelling/Home |
| 08h30 | | | 1  2 | | | 2 = Someone else's dwelling |
| to | | | 1  2 | | | 3 = Field farm or other agricultural workplace |
| 09h00 | | | 1  2 | | | 4 = Other workplace outside private dwelling |
| 09h00 | | | 1  2 | | | 5 = Education establishment |
| to | | | 1  2 | | | 6 = Public area i.e. not in private dwelling workplace or educational establishment |
| 09h30 | | | 1  2 | | | 7 = Traveling or waiting to travel |
| 09h30 | | | 1  2 | | | 8 = Other |
| to | | | 1  2 | | | |
| 10h00 | | | 1  2 | | | **Location code 2** |
| 10h00 | | | 1  2 | | | 1 = Inside |
| to | | | 1  2 | | | 2 = Outside |
| 10h30 | | | 1  2 | | | 3 = Traveling on foot |
| 10h30 | | | 1  2 | | | 4 = Traveling by private transport (car, van, motorcycle) |
| to | | | 1  2 | | | 5 = Traveling by taxi (minibus or other) |
| 11h00 | | | 1  2 | | | 6 = Traveling by train |
| 11h00 | | | 1  2 | | | 7 = Traveling by bus |
| to | | | 1  2 | | | 8 = Traveling by bicycle |
| 11h30 | | | 1  2 | | | 9 = Traveling by other means |
| 11h30 | | | 1  2 | | | |
| to | | | 1  2 | | | |
| 12h00 | | | 1  2 | | | |
| 12h00 | | | 1  2 | | | |
| to | | | 1  2 | | | |
| 12h30 | | | 1  2 | | | |
| 12h30 | | | 1  2 | | | |
| to | | | 1  2 | | | |
| 13h00 | | | 1  2 | | | |

# Classification of Activities

- In March 2018 Stats SA adopted the ICATUS 2016 for the classification of activities in the Time Use Survey.

Note: Although most of ICATUS 2016 was adopted, where there is a need to localise the classification special application rules were identified and would be included in the training manual at the time of the Survey.

# Transitioning to Computer Assisted Personal Interviews (CAPI)

# StatsSA transition to CAPI

- KZN CSS 2015 was the first survey to be conducted on CAPI

  - 20 819 DUs sampled

  - Survey Solutions (from World bank)

  - Lessons learnt carried over to the CS 2016

# StatsSA Surveys on CAPI

- CS 2016 – Survey Solutions
  - Biggest in terms of sample (1million DUs)
- SADHS – CSPro
  - Standard questionnaire which has been tested for years (just customised it to be country specific)
- CPS 2017 – Survey Solutions
  - lengthy questionnaire, about 1734 questions
  - Pre-fill carried variables from previous module
- Quarterly Labour Force Survey
  - Sample Management Test - test the rotation aspect of the sample – 4 survey periods
  - CAPI collection from July 2018

- GPSJS (crime survey)
  - Random selection of individual

# Achievements

- Processing time and cost – released CS 2016 results 3 months after end of collection

- Printing costs – tablets from CS 2016 are utilised for other household surveys

- Quality checks
  - Build-in checks during design
  - Check data as it comes during data collection
  - (Quality completeness checks and quality integrity checks)

# Achievements

- Geo-location (collection point)
- Actual calculations of duration of interviews
- Allows one to differentiate fieldwork quality amongst interviewers.
  - Remedial training can be provided instantly when required
- Progress reports (live data collection)
  - Map the sampled vs visited points

# Challenges

- Length of the questionnaire – CPS divided into four modules
- Integration of systems (navigation tool and collection tool not integrated)
- Pre-loading occupation and industry (fieldworkers tend to choose the first one that they see first without careful consideration) – leaving the burden of coding to the Coders.

# Future plans

- Introduction of CAWI and CATI (multimode data collection) to be tested in 2018 in preparation for Census 2021
- TUS to use CAPI in 2020
  - Choosing a system (existing or develop; tried and tested)
  - Randomized selection of members to complete diary to be incorporated into CAPI system.
  - Light vs full diary
  - Integration of ICATUS 2016 into the coding system

# Thank you