



# **Modernizing time use surveys in line with international standards and using the latest technologies**

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# Rationale for time-use statistics



**Indicator 5.4.1**

**Proportion of time spent on unpaid domestic and care work, by sex, age and location**

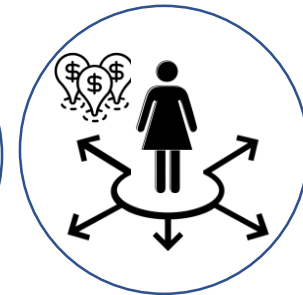
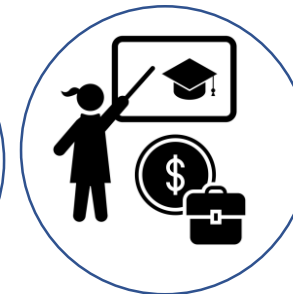
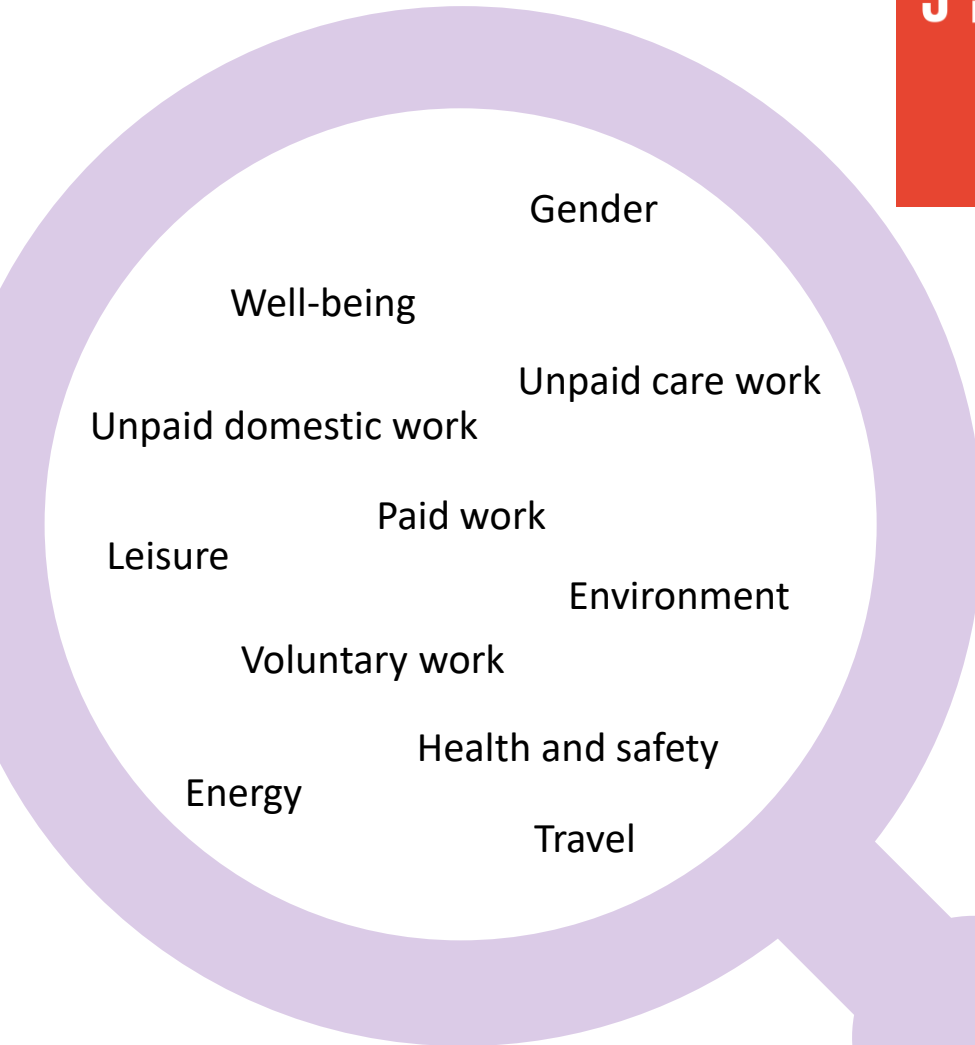


18.4%



7.0%

Source: SDGs Report 2017, % of time spent per day, median values, 2000-2016





# The trade-off

## Instruments Modes

Use of data (our goal is to maximize these)

- ↑ Data quality
- ↑ Data granularity
- ↑ Utilization
- ✓ Cross-country comparisons

Cost (our goal is to minimize these)

- ↓ Economic resources
- ↓ Human resources
  - ↓ Coding complexity
  - ↓ Respondents' burden
- ✓ Time constraints



# Instruments

Around 100 countries that have collected time-use data since 2000:

Full-time diary 57

Light-time diary 9

Stylized questions 22

Day 1 6 pm - 9 pm

What was your main activity? (Please record all activities even if they only lasted a few minutes)

Who did you do this with? (e.g. self, family, work, friend, a charity, the community)

What else were you doing at the same time? (e.g. at work, home, on a bus, doing the car)

Where were you? (e.g. home, school, office, shop, street, public place, other)

Who was with you all time or with you away from home? (e.g. spouse, family, friends)

Activities listed include: Rang up and ordered pizza, Did nothing for father-in-law, watched television, telephone hand, Paid for pizza, Also driver, Shop assistant, Got odd jobs to do, Read about a city, Filed in diary, Watched TV, Paid bill using Internet banking, Read E-mail (Internet), Reported to friends, Typed up report on computer.

Можно вас попросить заполнить карту дня в месте или в своем жилище.

24 часа

1. Прием пищи

2. Умывание и одевание

3. Служба

4. Другие, неопределенные (для учета или как пустое)

5. Другие, неопределенные (для учета или как пустое)

6. Другие, неопределенные (для учета или как пустое)

7. Прием пищи, подготовка и заготовка

8. Подготовка и прием пищи

9. Прием пищи, подготовка и заготовка

10. Прием пищи, подготовка и заготовка

11. Прием пищи, подготовка и заготовка

12. Прием пищи, подготовка и заготовка

13. Прием пищи, подготовка и заготовка

14. Прием пищи, подготовка и заготовка

15. Прием пищи, подготовка и заготовка

16. Прием пищи, подготовка и заготовка

17. Прием пищи, подготовка и заготовка

18. Прием пищи, подготовка и заготовка

19. Прием пищи, подготовка и заготовка

20. Прием пищи, подготовка и заготовка

21. Прием пищи, подготовка и заготовка

22. Прием пищи, подготовка и заготовка

23. Прием пищи, подготовка и заготовка

24. Прием пищи, подготовка и заготовка

O: Trabajo doméstico

LEA ANTES DE RESPONDER Y POR LAS SIGUIENTES TAREAS DEL HOGAR QUE USTED HACE SIN RECIBIR UN PAGO A CAMBIO, COMO HACER EL ASEO, LAVAR LA SEDA O LA LANA, ETC. CUANDO TENGAS CUESTIONES PREGUNTE QUE LE ESTOY PRESENTANDO POR LOS DÍAS.

Sección 1: Preparación y asistencia de comidas

El último día de semana y el último día de fin de semana

¿Realizó la actividad? (Por cuánto tiempo?) ¿Realizó la actividad? (Por cuánto tiempo?)

O01 Cocinar, preparar o calentar alimentos o bebidas para los integrantes de su hogar

O02 Poner o recoger la mesa

O03 Limar, sacar o guardar la lona

O04 Limpiar la cocina (lavavajillas, platos, vajillas)

Sección 2: Limpieza de la vivienda

¿Realizó la actividad? (Por cuánto tiempo?) ¿Realizó la actividad? (Por cuánto tiempo?)

O01 Limpieza de alfombras y carpetas de la vivienda (aspirador, fregar, limpiar, lavar, etc.)

O02 Borrar o separar la basura

O03 Poner, ordenar o quitar sillas

- ↓ Economic resources
- ↓ Respondents' burden
- ↓ Coding complexity

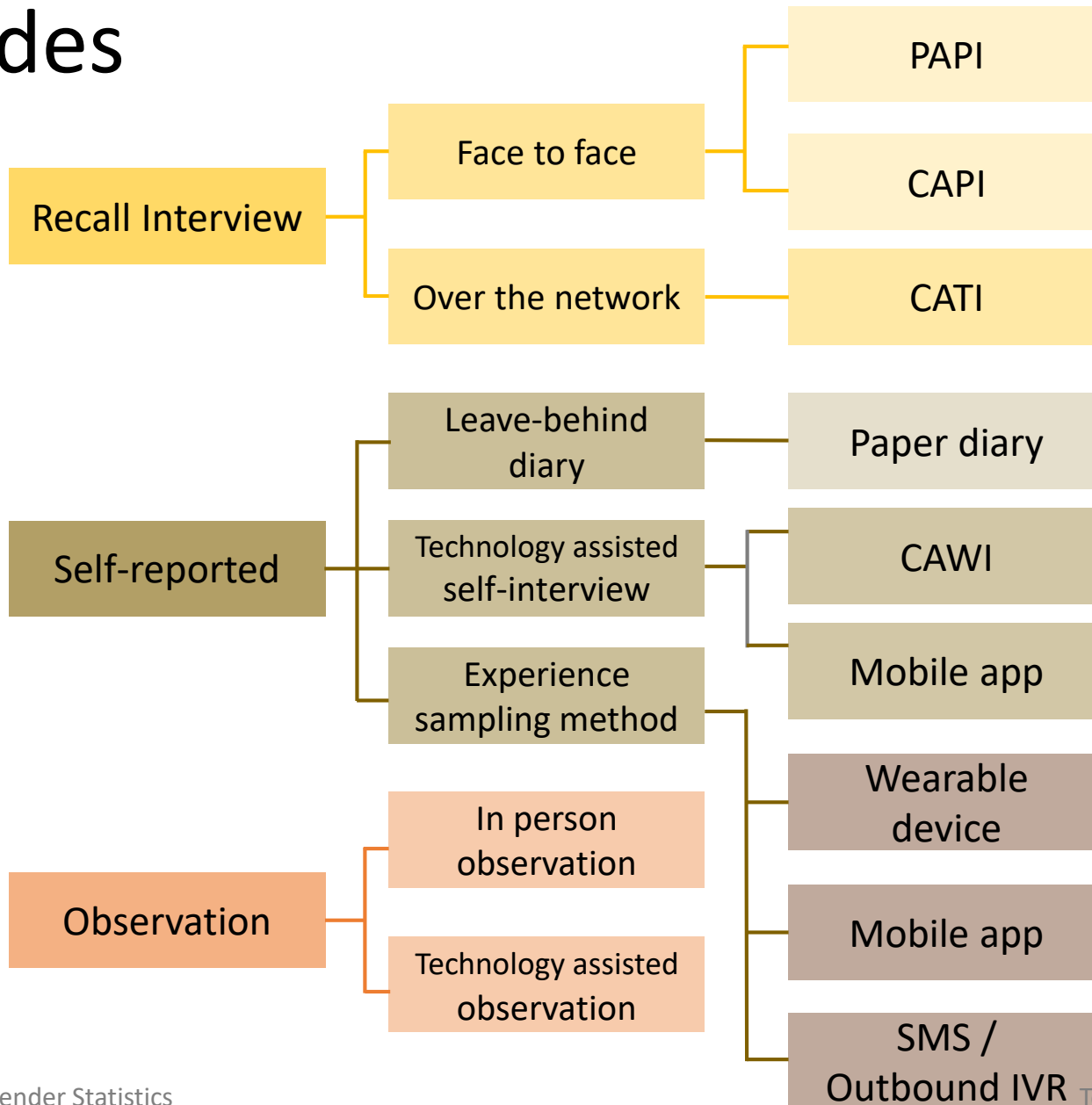
- ↓ Economic resources
- ↓ Respondents' burden
- ↓ Coding complexity

- ↑ Data quality
- ↑ Data granularity
- ↑ Utilization

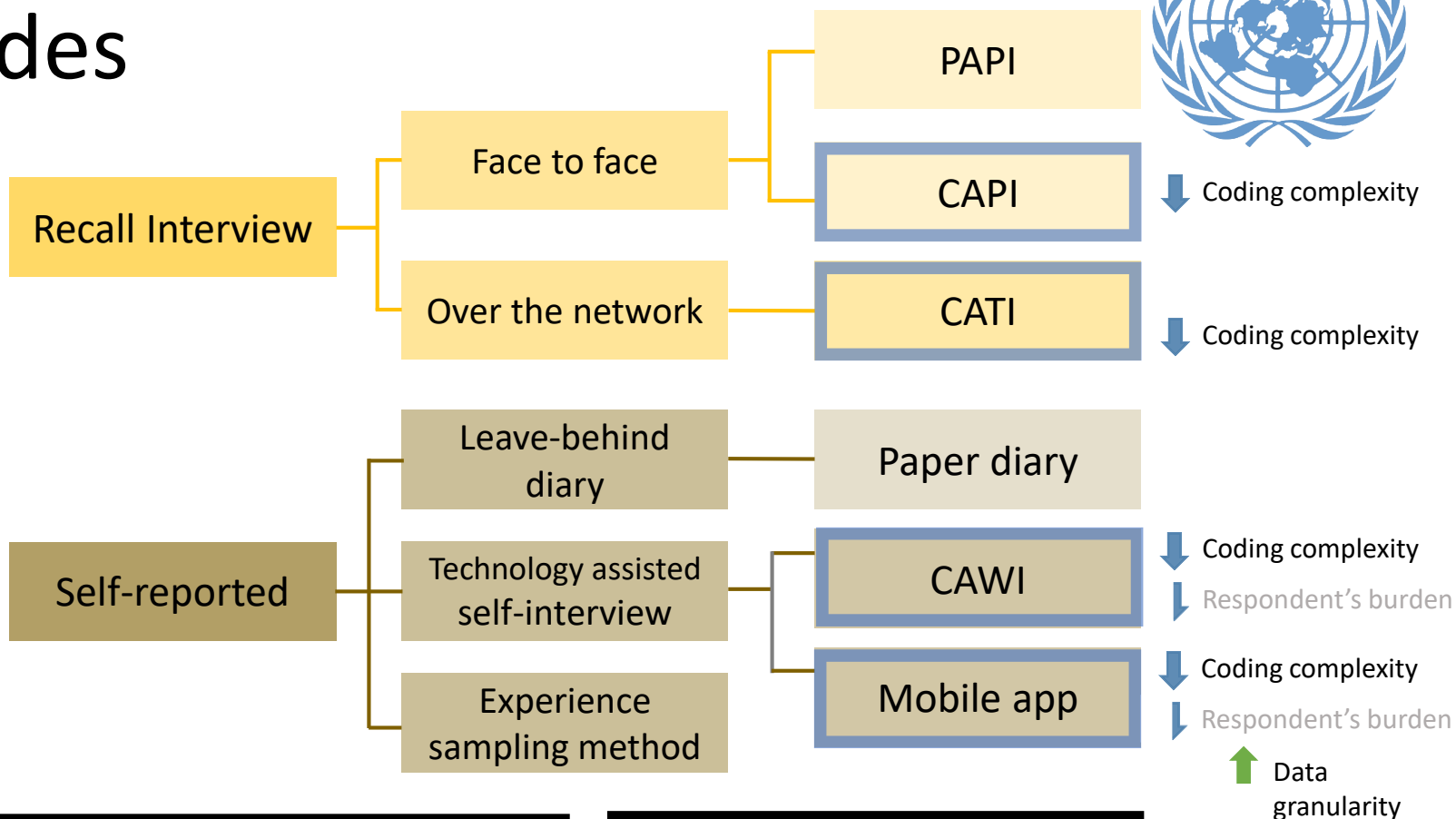
- ↑ Data quality
- ↑ Data granularity
- ↑ Utilization



# Modes



# Modes



**Sleep** 🔍

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**9- Self-care and maintenance**

- 911 – night sleep/essential sleep
- 912 – incidental sleep/nap
- 913 – sleeplessness
- 914 – other sleep and related activities

**9- Self-care and maintenance** ▼

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▼

91- Sleep and related activities

92- Eating and drinking

93- Personal hygiene and care

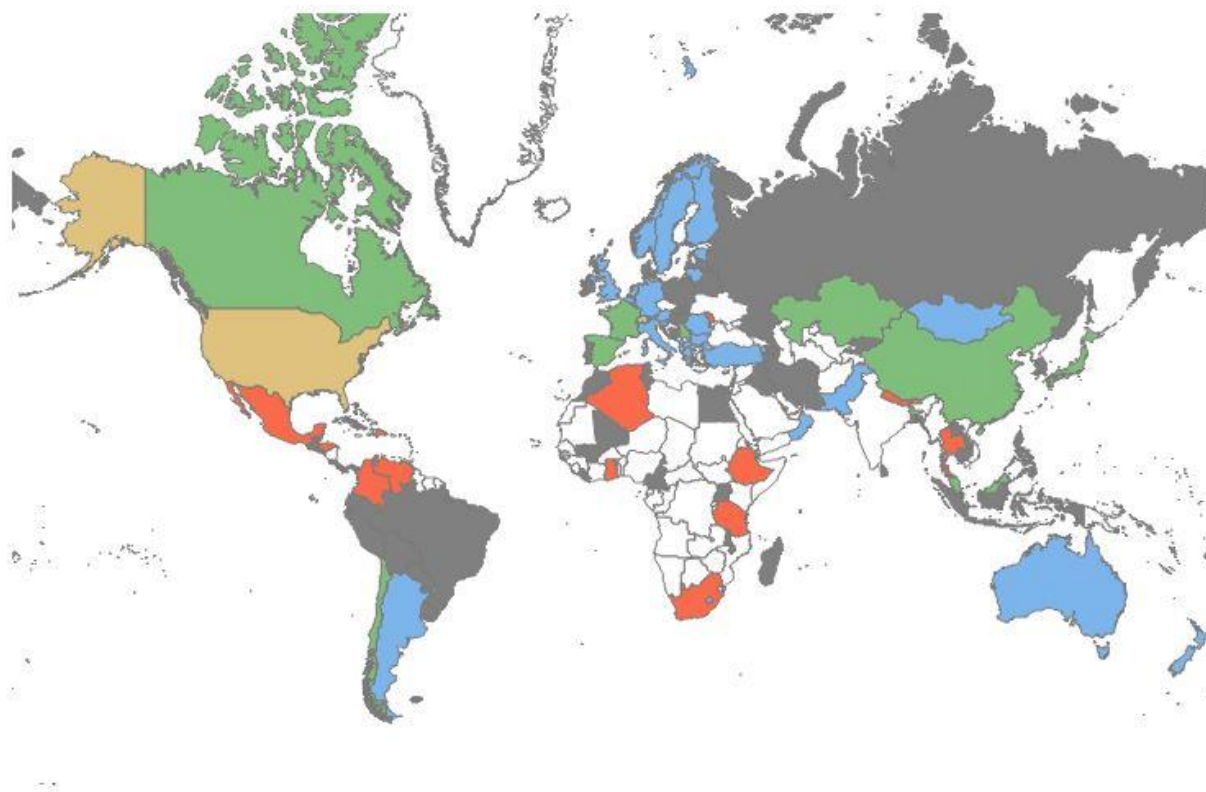
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✓ Cross-country comparisons

# Modes



Around 100 countries that have collected time-use data since 2000:



**Face to face interview**  
**15**

**CATI**  
**2**

**Self-reported paper diary**  
**31**

**Mixed-mode**  
**10**

**Not yet identified**  
**47**

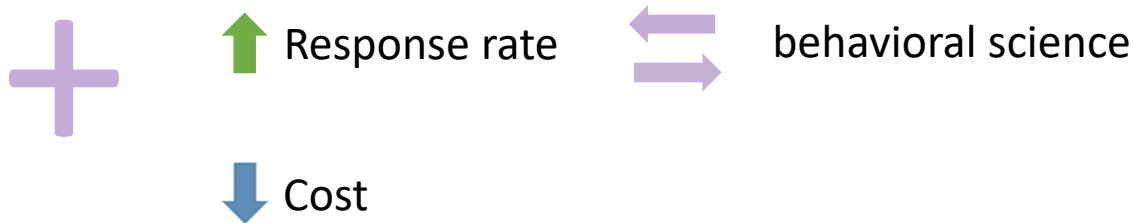
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# Mixed-mode strategy

Mixed-mode in data collection try to combine the best of all possible worlds by exploiting the advantages of different modes and compensate for their weaknesses at an affordable cost (De Leeuw 2005).

## Advantages



## Possible limitations

- 
- ? Data quality (mode effect)
  - ? Coding complexity (data integration from multiple modes)



# EDGE Phase 2



**Overall objective:** to improve national capacity in producing comprehensive time use data that meet international standards and use the latest technologies

- Data collection mode effect
- Comparative study of diaries vs. stylized questions using digital data collection modes, including in developing countries
- Need and implications of having a reference day in the survey
- How to better utilize available mobile networks for TU data collection
- Combining time diaries with summary questions for collecting information about infrequent activities requiring further probing

**We would love to work with you All!**



# Thank you!

United Nations Statistics Division (UNSD) Gender Statistics Portal

<https://genderstats.un.org>