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Plans to enhance survey quality by using administrative data in Census 2021 in Hungary

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Conference on Population census, 2020 round and post 2020: from traditions to modernism,
Bucharest, 8-9 April 2019

European Censuses in 2021

Method	Popularity	Admin. data use	Costs	Challenges
Register based				
Combined				
Traditional				

Census 2021 in Hungary

- A full-scope completely electronic survey
- Carried out by online self-enumeration and interviews with enumerators
- Persons identified by name (after anonymous census in 2001, 2011)
- **Administrative data to be used to enhance survey quality**



Administrative data to be used in census

13 administrative registers as listed in the Act CI/2018 on Census 2021:

- Central Address Register of the Ministry of Interior,
- Population and Address Register of the Ministry of Interior,
- Register of Foreign Citizens and Register of Refugees of the Ministry of Interior,
- Public Education Register and Tertiary Education Register of the Educational Authority,
- Pension Register and 3 social benefit registers of the Hungarian State Treasury,
- Tax Register of the Tax Administration
- Health Insurance Register of the National Health Insurance Fund
- Public Utilities Register of the Energy Authority

To use administrative data to enhance survey quality ⁵

In data collection:

- Census frame created based on administrative data

Challenges: different usual and registered place of residence

quality problems of administrative data

- To check data collection progress by real time cross-check with administrative data in order to remind non-respondents to respond

*Challenges: cross-check based on name, sex, date of birth, **address (problematic)***

the risk of false identification mainly in case of self-completed online questionnaires

In data processing:

- Validation, imputation, editing based on administrative data

- *Challenges: matching based on name, name, sex, date of birth, **address (problematic)***



Thank you for your attention

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