

The definition of the final disposition codes in the household surveys in the context of the new integrated management system in Istat

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INTRODUCTION

The new Central Directorate on Data Collection promoted the design of an integrated survey management system (named SGI—Sistema Gestione Indagini). The new System is used for the first time for the 2018 Permanent Population and Housing Census and will be afterwards extended to other surveys. The design of the new system enhanced the necessity to identify and implement all the functionalities necessary for the management of each survey, within a single conceptual framework. A fundamental aspect of the design of this integrated management system is the definition of the status and of the final disposition codes for all the survey units. To overcome the difficulties related to the peculiarities of the single surveys, characterized by different sampling designs and survey modes, we proceeded to make an in-depth comparison between the systems of the outcomes currently used, which led to: 1) reduce redundancies; 2) respect the peculiarities without loss of information; 3) harmonize the final disposition codes of the survey units at a higher level of synthesis.

1. THE SGI WORKFLOW

The different combinations of states and outcomes determine the visibility of the functions in each phase of the process and for each user profile.

The unit outcomes are populated and perfected during different phases of the process

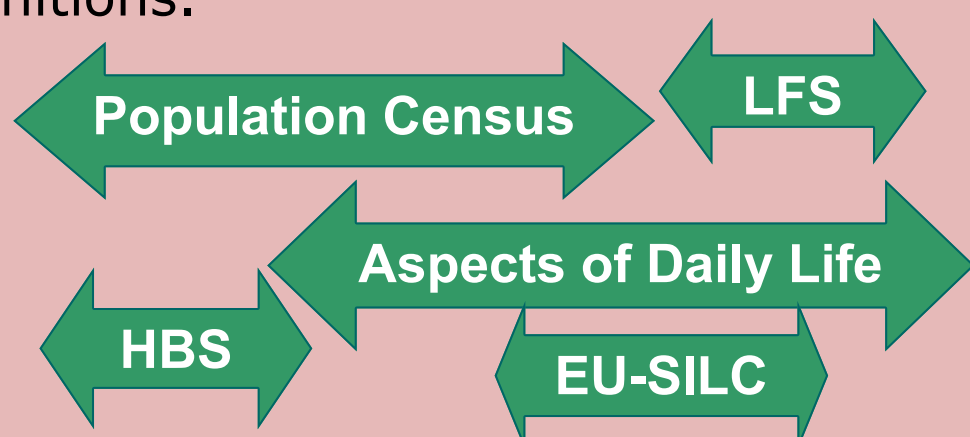
Assignment phase

Fieldwork phase

Validation phase

2. COMPARISON BETWEEN SYSTEMS OF OUTCOMES

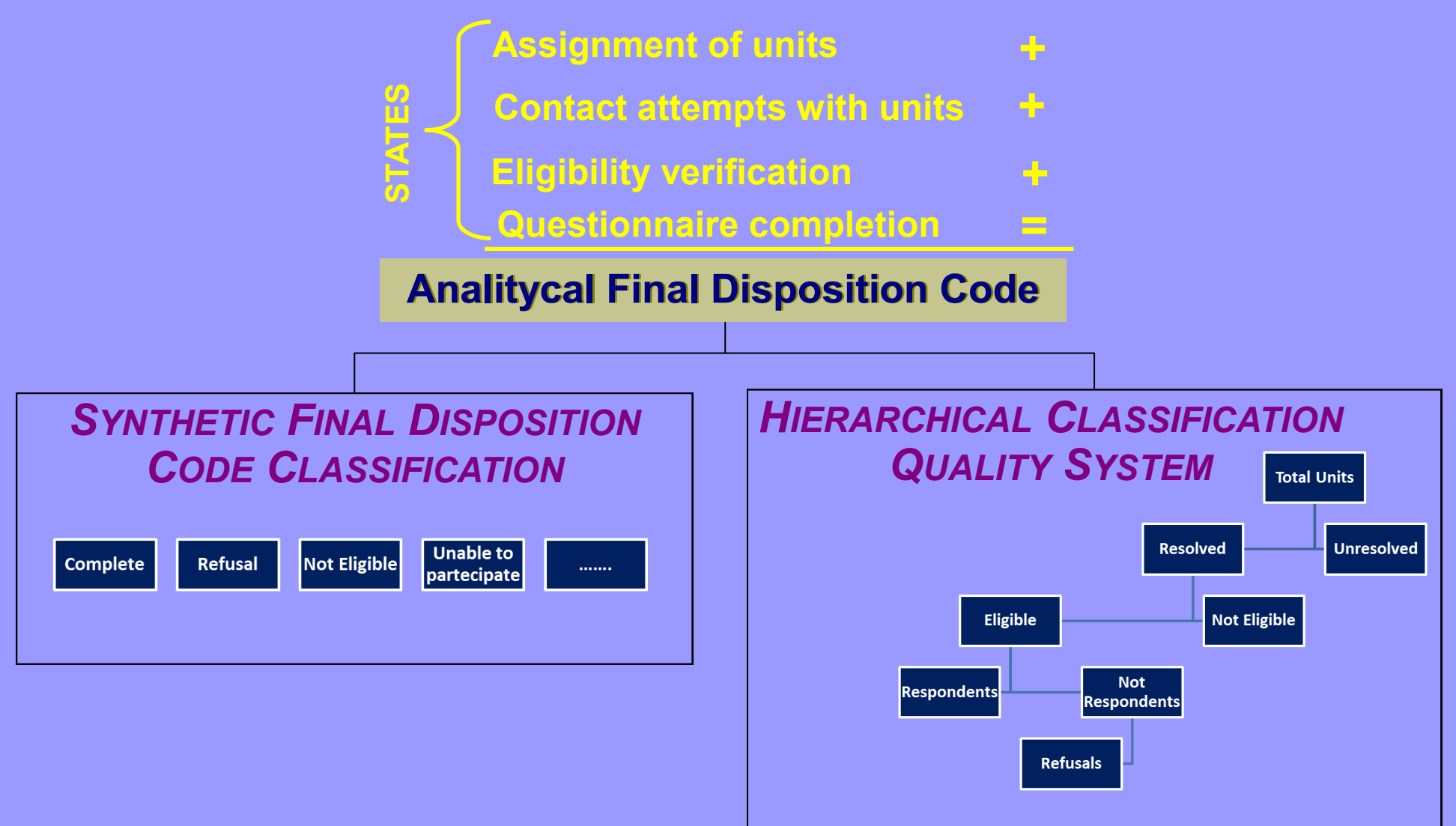
The analytical survey outcomes currently used in the most important household surveys have been transferred in a synoptic table and they have been compared in terms of wording of the label-codes and definitions.



3. CONCEPTUAL STRUCTURE OF OUTCOMES AND STATUS

In the design of the new integrated management system, with the ambition of generalization of the management functions, the complexity to be faced was immediately evident, with very high number of surveys to be managed! The categories of outcomes vary in number and meaning and depend on the technical, methodological and organizational characteristics specific for each survey, such as the survey mode, the survey design and the sampling unit, the eligibility/in scope criterion, etc.

Due to their specificity, a complete standardization of the analytical final disposition codes can not be reached, but their harmonization is feasible only at the aggregate level.



4. RESULTS

- **Technical documents for IT development** of the SGI (functionalities, modules..), eg Survey Diary module.
- **Linking tables**, which connects each analytical outcome of a specific survey (for all household surveys considered) to a synthetic standard outcome (upload in the configuration phase of each survey on SGI)
- **Application at the Permanent Population and Housing Census 2018**, of the Conceptual Structure of Outcomes and Status.

WORK IN PROGRESS:

Technical documents for SGI **modules 'Summary Reports' and 'Payments'** are being drafted. First interventions are also being **to revise the acquisition tools** of the survey outcomes themselves.

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