



Population and Housing Census Management Course: Registers, Enumeration and PES



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Introduction:

Population and housing census management, covering registers, enumeration and the post-enumeration survey PES, is a 5-day course for census planning, field operations and coverage evaluation units in statistics offices, ending with a Census Round Operational Plan. Census rounds often overrun budgets, miss hard-to-count households and publish counts whose undercount nobody can quantify, because the design choice, register readiness and coverage evaluation were settled too late. Nominees already manage parts of a census round and work through case studies on enumeration area maps, register extracts and PES matching files. CoreConcept Training Center delivers this census management course.

Course Objectives:

- Choose between a traditional field, register-based or combined census design using register quality evidence, cost and coverage criteria
- Link population, dwelling and address registers into a census base and measure over-coverage and under-coverage in the linked file
- Plan census mapping, enumeration area delineation, staffing and field logistics for a digital or paper enumeration
- Organise a post-enumeration survey and apply dual system estimation to quantify net census undercount by population group
- Apply census editing, imputation and disclosure control rules before releasing small-area census tables
- Prepare a Census Round Operational Plan with design, timetable, budget, risk register and coverage evaluation sections

Target Audience:

- Census managers responsible for planning, budgeting and steering a population and housing census round
 - Field operations managers responsible for enumerator recruitment, supervision and logistics across enumeration areas
 - Register and administrative data managers responsible for linking population, dwelling and address registers
 - Methodology managers responsible for post-enumeration survey design and coverage estimation
 - Dissemination managers responsible for census tables, small-area outputs and confidentiality protection
 - Geospatial unit managers responsible for census cartography and enumeration area frames
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Course Outline:

Day 1: Census Round Foundations and Readiness Assessment

- UN Principles and Recommendations Essential Census Features Explained
- Census Reference Moment, Usual Residence and Enumeration Units
- Census Round Lifecycle From Legal Basis to Evaluation
- Census Governance Structure, Steering Committee and Stakeholder Map
- Census Readiness Self-Assessment Across Registers, Maps and Budget

Day 2: Census Designs, Register Linkage and Frameworks

- Traditional, Register-Based and Combined Census Design Comparison
- UN Registers-Based Census Handbook Quality Dimensions for Registers
- Population, Dwelling and Address Register Linkage Keys
- Over-Coverage Signs of Life Rules for Register Populations
- Rolling Census and Sample Survey Supplement Options

Day 3: Census Mapping, Enumeration Logistics and Digital Capture

- GIS Census Cartography and Enumeration Area Delineation Rules
- Enumerator Workload Model, Recruitment and Supervision Ratios
- CAPI, CAWI and Paper Mode Mix for Census Enumeration
- Field Monitoring Dashboard for Daily Enumeration Area Progress
- Hard-to-Count Groups Outreach for Homeless and Mobile Populations

Day 4: Post-Enumeration Survey, Coverage Estimation and Census Outputs

- UN Post Enumeration Surveys Operational Guidelines Sample Design
- PES Independence, Record Matching and Erroneous Enumeration Checks
- Dual System Estimation of Net Undercount by Group
- Census Editing and Imputation Rules for Missing Responses
- Census Disclosure Control for Small-Area Tables and Microdata

Day 5: Case Study Work and the Census Round Operational Plan

- Combined Design Case Register Gap and Field Supplement Decision
 - Enumeration Area Case Workload Balancing and Staffing Estimate
 - PES Case Matching File Review and Undercount Calculation
 - Census Risk Register and Contingency Plan for Field Disruption
 - Census Round Operational Plan Completion and Panel Review
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Skills You Will Gain:

- Census Design Selection
- Register Coverage Assessment
- Enumeration Area Planning
- Field Operations Monitoring
- Dual System Estimation
- Census Record Matching
- Census Data Editing
- Small-Area Disclosure Control

Why Attend This Course:

- Deliver a Census Round Operational Plan to the census steering committee and the head of the statistics office for approval
- Decide whether registers are ready to replace or supplement full field enumeration, using documented coverage evidence
- Avoid budget overruns, missed enumeration areas and unmeasured undercount that weaken trust in census counts
- Coach field, register and methodology colleagues with the readiness checklist, workload model and PES matching templates

Conclusion:

Back at work, the participant presents the Census Round Operational Plan to the census steering committee and the head of the statistics office. Leadership uses it to approve the census design, the register linkage approach, the field staffing model, the post-enumeration survey sample and the release and confidentiality rules before the round begins. After the field test or pilot census, the unit should compare enumeration area completion rates, register match rates and estimated undercount against the plan, then revise the sections that fell short.

Frequently Asked Questions FAQ:

What should participants know before population and housing census management training?

Participants should already work on some part of a census round, such as mapping, field operations, registers or methodology, and be comfortable reading tabulations and spreadsheets. An anonymised enumeration area map or register extract from their own office makes the case study work more useful.

How does population and housing census management training differ from a general survey design course?

A survey design course covers questionnaires and sampling for any study. This course manages a full census round for a whole population: design choice between field and register methods, enumeration area logistics, coverage evaluation through a post-enumeration survey and protection of small-area census outputs.

Why does population and housing census management include a post-enumeration survey?

A post-enumeration survey independently recounts a sample of areas and matches its records to the census, so the office can estimate how many people were missed or counted twice. Without it, census undercount stays unknown and users cannot judge the accuracy of the counts.

What do participants take back from population and housing census management training?

Participants take back a Census Round Operational Plan for a case statistics office, with a design decision, register linkage approach, enumeration area staffing model, post-enumeration survey sample, risk register and release rules ready for the steering committee to review.
