

United Nations Statistics Division Population and Housing Census Programme: Focus on Measuring Disability

Srdjan Mrkić
United Nations Statistics Division





Background

- At the beginning of each census round, ECOSOC adopts a resolution in support of conducting a population and housing census
- UN Statistical Commission endorsed the draft Resolution on 2020 World Population and Housing Census Programme and submitted it to the Economic and Social Council of the United Nations for adoption
- On 10 June 2015 ECOSOC adopted the Resolution





Resolution

- Endorses the 2020 World Population and Housing Census Programme
- Urges each member state to conduct at least one population and housing censuses in the period 2015-2024
 - Based on international recommendations
 - Advance planning
 - Cost efficiency
 - Coverage
 - Timely dissemination
- Underscores the need for quality standards and assurance and compliance with the Fundamental Principles of Official Statistics





2010 Round

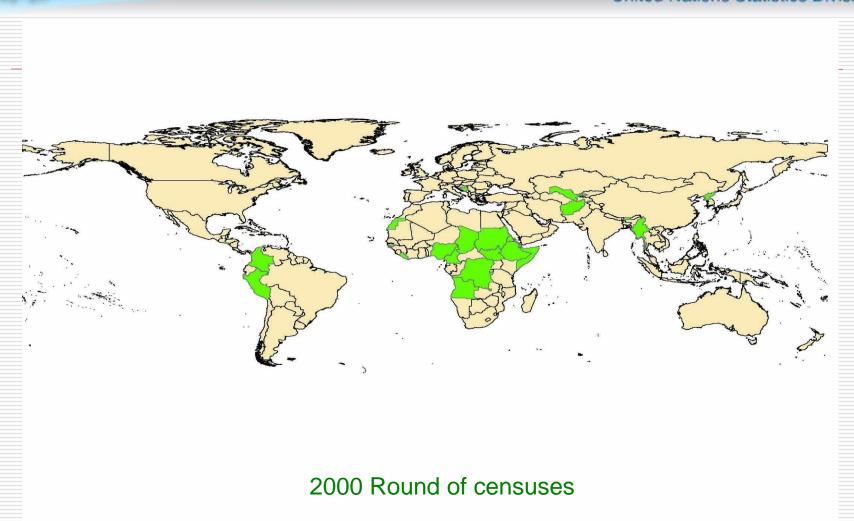
Censuses conducted from 2005-2014 – 93% of world population

Region	Countries/areas census conducted	Countries/areas census not conducted	Percent not conducted
Africa	49	9	16
America, North	36	2	5
America, South	14	-	-
Asia	41	8	16
Europe	49	2	4
Oceania	25	-	-
Total	214	21	9





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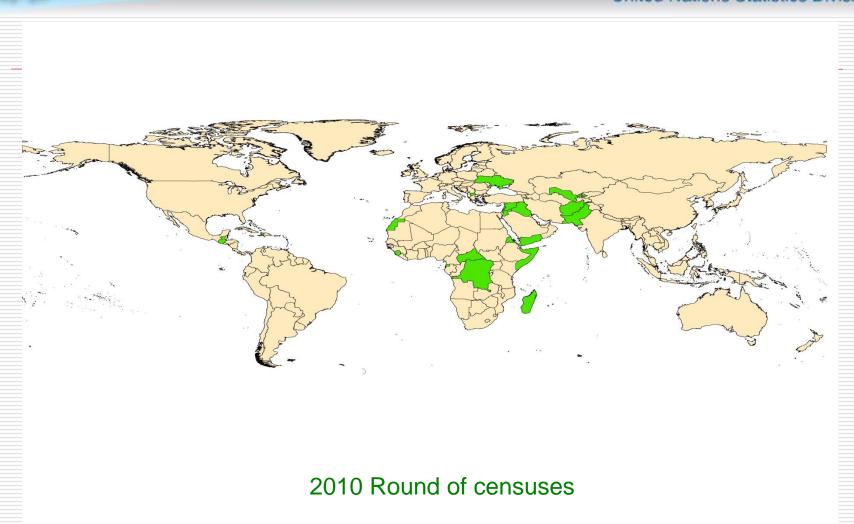


United Nations Expert Group Meeting on Guidelines and Principles for the Development of Disability
Statistics
New York, 12 – 14 July 2017





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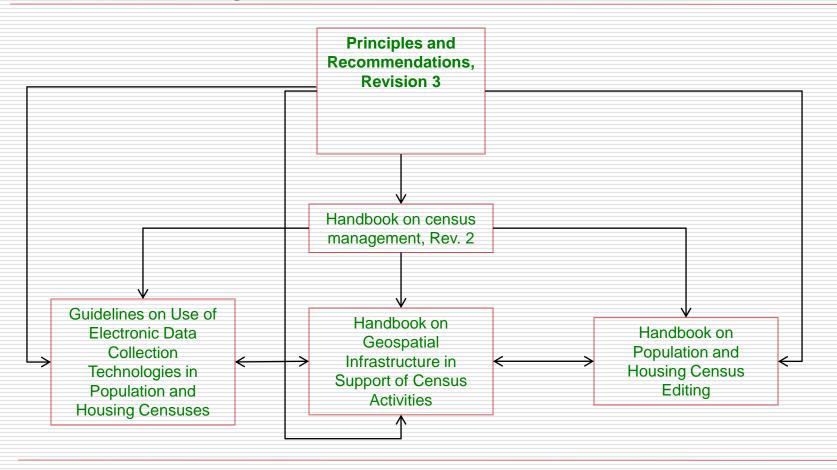
Principles and recommendations

- United Nations Statistical Commission established in 1946
- Developing international standards for official statistics
- In the field of population and housing censuses
 - Population Census Methods (1949)
 - Principles and Recommendations for National Population Censuses (1958)
 - ☐ General Principles for a Housing Census (1958)
 - Principles and Recommendations for the 1970 Population Censuses (1969)
 - □ Principles and Recommendations for Population and Housing Censuses (1980)
 - Principles and Recommendations for Population and Housing Censuses, Revision 1 (1998)
 - Principles and Recommendations for Population and Housing Censuses, Revision 2 (2008)
 - Principles and Recommendations for Population and Housing Censuses, Revision 3
 (2015)





UNSD Methodological framework







- ☐ Disability as a topic was first introduced in Revision 1 (issued in 1998 for the 2000 round of censuses)
 - Provided guidance on
 - Use of standardized and internationally recognized terminology for defining and identifying the population with disabilities
 - Developing census questions
 - Possible outputs
 - Based on the *International Classification of Impairments, Disabilities and Handicaps (ICIDH/1980)* three dimensions
 - Impairment (organ or body dimension)
 - Disability (individual dimension)
 - Handicap (social dimension)
 - ☐ Following up on the International Seminar on Disability Measurement (2001) the UN Statistical Commission established the Washington Group on Disability Statistics





- Principles and Recommendations, Revision 2 (2008, for the 2010 census round)
- Based on the International Classification of Functioning, Disability and Health (2001)
- Six essential domains
 - Four basic domains walking, seeing, hearing, cognition
 - Two other domains (space permitting) self-care, communication
- Additional domains (space permitting)
 - Upper body functioning of arms, hands and fingers
 - Psychological functioning
- Selection criteria for inclusion in the short set
 - Cross-population/cross cultural comparability
 - Suitability for self-reporting
 - Space on census form
 - Importance in terms of public health issues





- Principles and Recommendations, Revision 2 (2008, for the 2010 census round)
- Each domain through a separate question
- Questions should be addressed to each household member
- Proxy respondent can be used to report for the family member who is incapacitated
- Scaled response categories can improve reporting of disability





Principles and Recommendations, Revision 3 (2015, for the 2020 census round) Comprehensive measure to determine disability Four essential domains – walking, seeing, hearing, cognition Two additional domains – self-care, communication Additional domains (space permitting) Psychological functioning ES domains – upper body (functioning of arms, hands and fingers) affect (anxiety and depression, pain and fatigue Question have four response categories No (meaning no difficulty at all) Yes, some difficulty Yes, a lot of difficulty Cannot do (activity) at all Disability prevalence based on "a lot of difficulty" or "cannot do at all" response to questions





Collection of disability statistics from censuses by census rounds

 Collecting disability statistics by population and housing censuses steadily increased over time

Countries that asked questions on disability in census

Census round	Number of countries		
1970	19		
1980	36		
1990	80		
2000	103		
2010	112*		

^{*} Based on questionnaires available to UNSD





	Total number of countries reviewed	Question on topic of disability	Use of Washington Group Short Set of Questions	Other questions
Total countries	141	112	45	68
Africa	33	29	5	24
America, North	25	25	14	11
America, South	7	6	1	5
Asia	31	27	12	11
Europe	24	11	4	7
Oceania	22	15	9	6





- Based on a review of 124 census questionnaires (2010 round)
 - At least one question on the topic of disability was asked in 94 countries out of the 124 reviewed (76%)
 - Out of these 94 countries, 32 (34%) implemented the Washington Group recommendations
 - □ The four essential domains were investigated in almost all of these 32 countries fewer countries investigated the additional domains of self-care (17), communication (14), upper body functioning (7) and psychological functioning (2)





Experience on the use of proxy respondents

- In censuses, information is usually provided by a proxy respondent and this may negatively affect data quality, as the question on disability is subjective and dependent on the views of the respondent rather than that of the person with disabilities
- Because of social stigma respondents are sensitive to talking about the disabilities in public - training of interviewers is important in gaining the trust and cooperation of respondents
- ☐ It is particularly difficult to get to the correct degree of disability through proxy respondents





- Experience with translation of questions on disability into local languages
 - Many countries report challenges with regard to their experience in translating into different local languages
 - It is difficult to translate some words without distortion and in a manner that will not be regarded negatively thus affecting the credibility of the disability data obtained
 - Consultation with experts and associations dealing with disability issues is seen as important for appropriate wording that is not viewed negatively





- Experience with use of scaled response categories
 - The same issue of subjectivity (proxy responses) affects disability question(s) that are of scaled response categories respondents are trying to pick the scale categories that they feel are in line with the expectations of their immediate societal arrangements
 - Translation issues may arise and testing is necessary to get the right wordings for response categories in local languages





Testing of questions on disability

- The majority of countries tested the questions on disability during the pretesting and the piloting of the census
- Results and experience from testing helped in: rewording/redesigning questions in a way that did not cause sensitivity and avoided stigmatization; get the right translation in local languages; consult with experts and associations working on disability issues
- In a few countries, the Washington Group questions were tested in the pilot but not utilized in the actual enumeration





- Overall experience in how the questions on disability worked in the field
 - Disability questions are sensitive problems arise when respondents do not want to cooperate or provide the right answer because of social stigma or when interviewers do not take the time to pause/probe where required in order to get the correct answers
 - Some interviewers do not ask questions as intended; training should be more rigorous and should emphasize the proper formulation/probing of questions in a standardized manner





Conclusions

- Disability characteristics is a core topic in the previous and latest revisions of the international recommendations - countries should include questions on disability in the census, especially for countries in which alternative data sources are not available
- Discrepancies often quite significant between disability statistics obtained from the population and housing censuses, on one hand, and the specialized surveys, on the other, require further methodological research in identifying the underlying causes
- Due to the complexity of the collection of disability statistics in population and housing censuses, there is a need for substantial training of enumerators both for correctly understanding the questions, capturing responses and eliciting the trust and cooperation of respondents