



**United Nations Workshop on Evaluation and Analysis of Census Data
2014 Population and Housing Census
1-12 December 2014, Nay Pyi Taw, Myanmar**

Monday, 1 December 2014	
9:30 – 10:00	Welcome/opening remarks Introduction of the participants
10:00-11:00	<u>Introduction to evaluation of census data</u> <i>Objectives of evaluation of census data, types and sources of errors, methodological approaches for evaluation of data</i> - Presentation by UNSD - General discussion
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<u>Overview of census processes of Myanmar</u> <i>Census processes focusing on enumeration and data processing phases : methods, quality control procedures , methods of editing and imputation and other issues related to data quality)</i> - Presentation by UNFPA - General discussion
12:30-13:30	<u>Lunch</u>
13:30-15:00	<u>Data validation: editing and imputation assessment</u> <i>Basic concepts and definitions related to editing and imputation and evaluation of impacts of imputation on initial dataset</i> - Presentation by UNSD - General discussion
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<u>Data validation: editing and imputation assessment (contd.)</u> - Hand-on exercises - Discussion on findings
Tuesday , 2 December 2014	
9:30-11:00	<u>Data validation: consistency check between variables</u> <i>Identifying cross-variable inconsistency rules, preparing cross-tables and analyses of inconsistent and unknown values for selected census topics</i> - Presentation by UNSD - General discussion

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11:00-11:20	<i>Coffee break</i>
11:20-12:30	<p><u>Data validation: consistency check between variables (contd.)</u></p> <ul style="list-style-type: none"> - Hands-on exercises for selected census topics - Discussion on findings
12:30-13:30	<i>Lunch</i>
13:30-15:00	<p><u>Overview of demographic concepts and methods</u></p> <p><i>Basic concepts and definitions, population dynamics, demographic transition, data sources, demographic measurements (ratio, rate, proportion) and methodological approaches (direct and indirect techniques) to estimate indicators</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<p><u>Overview of demographic concepts and methods (contd.)</u></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
Wednesday, 3 December 2014	
9:30-11:00	<p><u>Analysis of age and sex structure</u></p> <p><i>Methods for analysis of age-sex structure: Population pyramid, age ratios, sex ratios, graphical cohort analysis, Whipple's index, and Myers's Blended Index, age dependency ratio, median age</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<p><u>Analysis of age and sex structure (contd.)</u></p> <p><i>Methods for analysis of age-sex structure: Population pyramid, age ratios, sex ratios, graphical cohort analysis, Whipple's index, and Myers's Blended Index, age dependency ratio, median age</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
12:30-13:30	<i>Lunch</i>
13:30-15:00	<u>Analysis of age and sex structure (contd.)</u>

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	<ul style="list-style-type: none"> - Hand-on exercises on application of the methods and estimating the indicators - Discussion on findings
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<p><u>Analysis of age and sex structure (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on application of the methods and estimating the indicators - Discussion on findings
Thursday, 4 December 2014	
9:30-11:00	<p><u>Analysis of age and sex structure (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on application of the methods and estimating the indicators - Discussion on findings
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<p><u>Analysis of age and sex structure (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on application of the methods and estimating the indicators - Discussion on findings
12:30-13:30	<i>Lunch</i>
13:30-15:00	<p><u>Analysis of fertility data</u></p> <p><i>Fertility indicators based on recent births and life time births (Average parities, age-specific fertility rates and total fertility rates), available data from 2014 census of Myanmar</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<p><u>Analysis of fertility data (contd.)</u></p> <p><i>Fertility indicators based on recent births and life time births (Average parities, age-specific fertility rates and total fertility rates), available data from 2014 census of Myanmar</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
Friday, 5 December 2014	

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9:30-11:00	<u>Analysis of fertility data (contd.)</u> - Hand-on exercises on estimating fertility indicators and comparison with other sources - Discussion on findings
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<u>Analysis of fertility data (contd.)</u> - Hand-on exercises on estimating fertility indicators and comparison with other sources - Discussion on findings
12:30-13:30	<i>Lunch</i>
13:30-15:00	<u>Analysis of fertility data (contd.)</u> - Hand-on exercises on estimating fertility indicators and comparison with other sources - Discussion on findings
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<u>Analysis of fertility data (contd.)</u> - Hand-on exercises on estimating fertility indicators and comparison with other sources - Discussion on findings
Monday, 8 December 2014	
9:30-11:00	<u>Analysis of mortality data</u> <i>Introduction to mortality (age-specific mortality rates, infant and child mortality, life table construction, use of model life tables and other key indicators), methods for estimating child mortality (household deaths and Brass type estimation), available data from 2014 census of Myanmar</i> - Presentation by UNSD - General discussion
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<u>Analysis of mortality data (contd.)</u> <i>Introduction to mortality (age-specific mortality rates, infant and child mortality, life table construction, use of model life tables and other key indicators), methods for estimating child mortality (household deaths and Brass type estimation), available data from 2014 census of Myanmar</i> - Presentation by UNSD

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	- General discussion
12:30-13:30	<i>Lunch</i>
13:30-15:00	<u>Analysis of mortality data (contd.)</u> - Hand-on exercises on estimating mortality indicators and comparison with other sources - Discussion on findings
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<u>Analysis of mortality data (contd.)</u> - Hand-on exercises on estimating mortality indicators and comparison with other sources - Discussion on findings
Tuesday, 9 December 2014	
9:30 – 11:00	<u>Analysis of migration data</u> <i>Basic definitions and concepts of international and internal migration, type of data collected through population and housing censuses, main indicators of migration and available data from 2014 census of Myanmar</i> - Presentation by UNSD - General discussion
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<u>Analysis of migration data (contd.)</u> <i>Basic definitions and concepts of international and internal migration, type of data collected through population and housing censuses, main indicators of migration and available data from 2014 census of Myanmar</i> - Presentation by UNSD - General discussion
12:30-13:30	<i>Lunch</i>
13:30-15:00	<u>Analysis of migration data (contd.)</u> - Hands on exercises on calculating main indicators and comparison with other sources (the results of 1983 census) - Discussion on findings

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15:00-15:20	<i>Coffee break</i>
15:20-17:00	<u>Analysis of migration data (contd.)</u> -Hands on exercises on calculating main indicators and comparison with other sources (the results of 1983 census) -Discussion on findings
Wednesday, 10 December 2014	
9:30-11:00	<u>Population estimation</u> <i>Methods for estimating population (balance equation and cohort component method)</i> - Presentation by UNSD - General discussion
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<u>Population estimation</u> <i>Methods for estimating population (balance equation and cohort component method)</i> - Presentation by UNSD - General discussion
12:30-13:30	<i><u>Lunch</u></i>
13:30-15:00	<u>Population estimation (contd.)</u> -Hand-on exercises - Discussion on findings
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<u>Population estimation (contd.)</u> -Hand-on exercises - Discussion on findings
Thursday, 11 December 2014	
9:30-11:00	<u>Analysis of socio-economic characteristics</u> <i>Methods for evaluation of socio-economic data and calculating indicators on educational characteristics, marital status, economic</i>

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	<p><i>characteristics and household structure</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<p><u>Analysis of socio-economic characteristics (contd.)</u></p> <p><i>Methods for evaluation of socio-economic data and calculating indicators on educational characteristics, marital status, economic characteristics and household structure</i></p> <ul style="list-style-type: none"> - Presentation by UNSD - General discussion
12:30-13:30	<i>Lunch</i>
13:30-15:00	<p><u>Analysis of socio-economic characteristics (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on calculating the socio-economic indicators and comparison with other sources - Discussion on findings
15:00-15:20	<i>Coffee break</i>
15:20-17:00	<p><u>Analysis of socio-economic characteristics (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on calculating the socio-economic indicators and comparison with other sources - Discussion on findings
Friday, 12 December 2014	
9:30-11:00	<p><u>Analysis of socio-economic characteristics (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on calculating the socio-economic indicators and comparison with other sources - Discussion on findings
11:00-11:20	<i>Coffee break</i>
11:20-12:30	<p><u>Analysis of socio-economic characteristics (contd.)</u></p> <ul style="list-style-type: none"> - Hand-on exercises on calculating the socio-economic indicators and comparison with other sources - Discussion on findings



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12:30-13:30	<u>Lunch</u>
13:30-15:30	Summary of the findings and conclusions Closing