

National Workshop on Population Estimates and Projections 5-9 August 2019, Okahandja, Namibia¹

Organized by the United Nations Department for Economic and Social Affairs (DESA), Population Division, and hosted by the Namibian Statistics Agency

Tentative Programme

Monday, 5 August 2019, 9am – 5pm

Opening Namibia Statistical Agency UN-DESA, Population Division

Session 1. Introduction (Tim Miller)

- 1.1 Why do we need population projections?
- 1.2 *Three methods for population projections*
- 1.3 *The basic accounting identity of demography*
- 1.4 *The Lexis diagram*
- 1.5 *The cohort component projection method*
- 1.6 Training exercise: Lexis diagrams
- 1.7 *How accurate are population projections?*

Session 2. Establishing the starting population (Yumiko Kamiya)

- 2.1 Detecting anomalies in the age/sex distribution of the population
- 2.2 Age pyramids
- 2.3 *Consistency tests: age ratios, sex ratios*
- 2.4 *Observing cohorts in successive censuses*
- 2.5 Adjusting population counts when establishing the starting population
- 2.6 Transfer the population to midyear
- 2.7 Training exercise: Preparing the starting population

Tuesday, 6 August 2019, 9am – 5pm

Session 3. Mortality component (Tim Miller)

- 3.1 Data sources and methods
- 3.2 Infant and child mortality
- 3.3 *Adult mortality*
- 3.4 *The life table*

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- 3.5 *The model life table*
- 3.6 *A note on HIV/AIDS mortality*
- 3.7 *Training exercise: Constructing a life table*
- 3.8 *Projection of future mortality trends: levels and patterns*
- 3.9 Training exercise: Mortality assumptions for Namibia

Wednesday, 7 August 2019, 9am – 5pm

Session 4. Fertility component (Yumiko Kamiya)

- 4.1 *Data sources*
- 4.2 *Measures of fertility*
- 4.3 *Cohort vs. period fertility*
- 4.4 *Method of analysis*
- 4.5 *Training exercise: Estimating fertility in the starting population*
- 4.6 *The fertility transition*
- 4.7 Ultimate fertility levels and transition to ultimate levels
- 4.8 The changing age pattern of fertility
- 4.9 Training exercise: Fertility assumptions for Namibia

Session 5. Migration component (Tim Miller)

- 5.1 *Data sources*
- 5.2 *Analysis of past migration trends: levels and age patterns*
- 5.3 *Modeling the age pattern of migration: family vs labor migration.*
- 5.4 *Projection of future migration trends*
- 5.5 Training exercise: Migration assumptions for Namibia

Thursday, 8 August 2019, 9am – 5pm

Session 6. National population projections (Tim Miller)

- 6.1 *The components of the cohort component projection method*
- 6.2 Detailed procedures for making population projections using the DAPPS software
- 6.3 Examining graphs and tables in DAPPS
- 6.4 Training exercise: A population projection for Namibia
- 6.5 *How to design integrated scenarios*
- 6.6 Training exercise: Integrated scenarios for Namibia

Friday, 9 August 2019, 9am - 5pm

Session 7. Subnational population projections (Tim Miller)

- 7.1 Subnational components
- 7.2 *Interregional migration*
- 7.3 Insuring consistency with national projections
- 7.4 *The Feeney method*
- 7.5 Iterative proportional fitting
- 7.6 Detailed procedures for making subnational projections using software
- 7.7 Training exercise: Subnational population projections for Namibia

Session 8. Population projections: presentation and use (Yumiko Kamiya)

- 8.1 *How to present population data*
- 8.2 *Quantifying projection uncertainty*
- 8.3 *Using population projections for development planning*

Closing

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