UNITED NATIONS EXPERT GROUP MEETING ON THE METHODOLOGY AND LESSONS LEARNED TO EVALUATE THE COMPLETENESS AND QUALITY OF VITAL STATISTICS DATA FROM CIVIL REGISTRATION
Population Division
Department of Economic and Social Affairs
United Nations Secretariat
New York
3-4 November 2016

ORGANIZATION OF WORK

<u>Thursday, 3 November 2016</u>

08:45 – 09:00   Registration Conference Room DC2-1949

09:00 – 10:15   **1. Opening of the meeting**

- o Introduction and objective of meeting: *John Wilmoth, Population Division, United Nations Department of Economic and Social Affairs (UN DESA)*

- o State of civil registration and vital statistics (CRVS) systems in the world: brief overview of vital statistics data availability based on civil registration and international reporting to UN and WHO

  - ▪ *United Nations Statistics Division, Adriana Skenderi*

  - ▪ *World Health Organization, Colin Mathers*

- o A review of key concepts: coverage vs. completeness, *Karen Carter (Secretariat of the Pacific Commission, Noumea, New Caledonia)*

10:15 – 10:30   Break

10:30 – 12:45   **2. Session on analytical methods to evaluate the completeness and quality of birth registration**

- o Moderator and discussant: *Ken Hill (Independent Consultant)*

- o Overview of available data and data sources on birth registration, *Claudia Cappa (United Nations Children Fund)*

- o Methods for estimating the numbers of births: Lessons from an investigation of the age distribution of younger people in the 2011 South African census for the estimation of completeness of vital registration, *Robert Dorrington (University of Cape Town)*

- National and subnational experience with estimating the extent and trend in completeness of birth registration in South Africa, *Nadine Nannan (Medical Research Council of South Africa), Robert Dorrington (University of Cape Town) and Debbie Bradshaw (Medical Research Council of South Africa)*

- Evaluation of the completeness of birth registration in China using analytical methods and multiple sources of data, *Prof. Wei Chen (Renmin University, Beijing, China)*

- Lessons learned with the use of demographic methods and multiple sources of data to evaluate the completeness and data quality from birth registration in Latin America, *Everton Campos de Lima (University of Campinas, Brazil) and Bernardo Lanza Queiroz (CEDEPLAR, Universidade Federal de Minas Gerais, Brazil)*

12:45 – 13:45 Lunch

13:45 – 15:45 **3. Session on analytical methods to evaluate the completeness and quality of death registration (part 1)**

- Moderator and discussant: *Ken Hill (Independent Consultant)*

- Indirect methods used for the evaluation of death registration for the Global Burden of Diseases, and review of national estimates of completeness, *Haidong Wang (Institute for Health Metrics and Evaluation, University of Washington)*

- Evaluating the Completeness of Death Registration for Developing Countries, *Nan Li and Patrick Gerland (UN Population Division)*

- Lessons learned with the application of indirect methods for the evaluation of death registration in Latin America, *Alberto Palloni (Univ. of Wisconsin) and Hiram Beltran-Sanchez (UCLA)*

- Lessons learned with the application of indirect methods for the evaluation of death registration in the ESCWA region, *Romesh Silva (United Nations Economic and Social Commission for Western Asia, Beirut, Lebanon)*

15:45 – 16:00 Break

16:00 – 18:00 **4. Session on analytical methods to evaluate the completeness and quality of death registration (part 2)**

- Moderator and discussant: *Ken Hill (Independent Consultant)*

- International experience with the use of analytical approaches and multiple data sources to evaluate the completeness of infant and neonatal mortality in LMICs, *Danzhen You (UNICEF)*

- Lessons learned with the application of indirect methods for the evaluation of (infant) death registration in Central Asian republics by subnational characteristics, *Michel Guillot (Univ. of Pennsylvania)*

- National and subnational experience with estimating the extent and trend in completeness of registration of deaths in South Africa, *Rob Dorrington (Centre for Actuarial Research, Univ. of Cape Town)*

- National and subnational experience with estimating the extent and trend in completeness of registration of deaths in Brazil, *Bernardo Lanza Queiroz (CEDEPLAR, Universidade Federal de Minas Gerais, Brazil) and Everton Campos de Lima (University of Campinas, Brazil)*

Friday, 4 November 2016

09:00 – 10:45   **5.   Session on record linkages and validation studies to evaluate the completeness and quality of vital registration (part 1)**

- Moderator and discussant: *Romesh Silva (United Nations Economic and Social Commission for Western Asia, Beirut, Lebanon)*
- Overview of the principles and international experiences in implementing record linkage mechanisms to assess completeness of death registration, *Chalapati Rao (Australian National University, Canberra, Australia)*
- Experience of Oman with nationwide record linkage between death registration data and census recall deaths for 2010, *Salah al Muzahmi (Ministry of Health, Oman)*
- Experience of India SRS with the use of record linkage studies to the assess the completeness of the reporting of vital events, *Kameshwar Ohja (Office of the Registrar General & Census Commissioner, VS(SRS) Division, Min. of Home Affairs, New Delhi, India)*

10:45 – 11:00   Break

11:00 – 13:00   **6.   Session on record linkages and validation studies to evaluate the completeness and quality of vital registration (part 2)**

- Moderator and discussant: *Chalapati Rao (Australian National University, Canberra, Australia)*
- The experience of China with the Disease Surveillance Point system (DSPs) and validation studies to evaluate the completeness of death registration, *Maigeng Zhou (National Center for Chronic and Noncommunicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention, Beijing, China)*
- Experience with dual-registration validation studies in Thailand, *Patama Vapattanawonga (Institute for Population and Social Research, Mahidol University, Thailand)*
- Experience with record linkage validation studies in Brazil at national and subnational level, *Eliane de Freitas Drumond (Health Department, Belo Horizonte, Brazil)*
- Enhancing Korean infant mortality statistics by linking administrative data and surveys, *Ji-Youn Lee and Ju-Hwa Song (Vital Statistics Division, Social Statistics Bureau, Statistics Korea, Republic of Korea) and Sun-Jae Hwang (Chungnam National University and Asia Pacific Population Institute)*

13:00 – 14:00   Lunch

14:00 – 15:45 **7. Session on criteria used to evaluate the quality of mortality data from CRVS**

- o Moderator and discussant: *Karen Carter (Secretariat of the Pacific Commission, Noumea, New Caledonia)*

- o Traditional and newly emerging data quality problems in countries with functioning vital statistics, *Vladimir Shkolnikov (MPIDR, Germany) and Dmitri Jdanov (MPIDR, Germany)*

- o Lessons learned from recent experiences with the evaluation of the quality of vital statistics from civil registration in different settings, *Tim Adair (School of Population and Global Health, University of Melbourne, Melbourne, VIC, Australia)*

- o Lessons learned with different criteria used and comparative approaches to evaluate the quality of mortality data: national and subnational experience in South Africa, *Jane Joubert (Burden of Disease Research Unit, South Africa Medical Research Council)*

- o WHO assessment of CRVS quality for use in Global Health Estimates, *Gretchen Stevens (World Health Organization)*

15:45 – 16:00 Break

16:00 – 17:30 **8. Summary and conclusions**

- o Summary of key points from each session

- o Discussion and recommendations

- o Concluding remarks: *John Wilmoth, Population Division, United Nations Department of Economic and Social Affairs (UN DESA)*