

**Summer School 2023 - Global Maternal, Newborn and Child Health**  
Interactive sessions in Utrecht (UUCU) / Amsterdam

	Monday, July 3 Setting the scene: global maternal, newborn and child health Chair: Joyce Browne and Marcus Rijken Location: University College Utrecht	Tuesday, July 4 Maternal health Chair: Kitty Bloemenkamp Location: University College Utrecht 9.00-9.30: optional, group work assignment	Wednesday, July 5 Newborn health Chair: Joyce Browne/Louis Bont Location: University College Utrecht 9.00-9.30: optional, group work assignment	Thursday, July 6 Child Health Chair: Michael Boele van Hensbroek Location: Amsterdam Center for Global Child Health, AIGHD 8.15-9.30 travel to Amsterdam	Friday, July 7 Special topics in MNCH health Chair: Joyce Browne and Marcus Rijken Location: University College Utrecht 9.00-9.30: optional, group work assignment
<b>Morning</b>	9.15-9.30 Walk-in, coffee/tea/juice available 9.30-11.00 Official opening of the course & welcome MNCH summer school team  Learning objectives: - Get to know each other - Introduction of the week and what we can expect	Walk-in, coffee/tea/juice available MNCH in different countries (continued) & Causes of maternal mortality and morbidity Dr Joyce Browne, Dr Marcus Rijken, Prof. Kitty Bloemenkamp  Learning objectives: - Present and discuss different country case studies - Apply the Three Delays Model and the Obstetric Transition to analyse the causes of maternal deaths  Preparation: - Elearning modules: 2.1 Introduction Maternal and Newborn Health, 2.2. Basic epidemiologic measures, 2.3. Maternal mortality and morbidity	Walk-in, coffee/tea/juice available 9.30-10.15 Reducing newborn mortality and infant vaccinations Tba  Learning objectives: - Know the main causes of newborn mortality - Reflect on the impact of available resource on newborn survival, and how this affects the viability threshold with prematurity in various settings - Identify essential strategies to reduce newborn mortality, including skin-to-skin ( kangaroo) care, early initiation of breast feeding, and NICU care availability Preparation: Elearning module '2.5 Newborn Health'  10.15-11.15 Dan Weinberger - Describe different types of vaccines and their strengths and weaknesses	10.00 - 11.00 - Severe malnutrition part 1 - Dr. Wiegier Voskuil  Learning objectives: - Our current understanding of the aetiology, pathophysiology, optimal treatment and outcome. - Understand the magnitude of the problem and the influence on clinical outcomes of (severe) malnutrition	Walk-in, coffee/tea/juice available 9.30-11.15 MNCH for refugees Anouk Verschuuren, Ineke Postma and Sara Sabha - Understand the impact of refugee status on pregnancy outcomes in the Netherlands - Our current understanding of the aetiology, pathophysiology, optimal treatment and outcome. - Explore the approaches within a high-income country health system to address refugee children's health-care needs (Dr Sabba)
11.00-11.15 Break	11.15-12.15 Setting the scene: global maternal, newborn and child health Prof. Louis Bont, Prof. Kitty Bloemenkamp, Dr Marcus Rijken, Dr Joyce Browne With special contribution of Mrs Kwame Adu-Bonsaffah Ghana  Learning objectives: - Explain how MNCH is part of the Sustainable Development Goals (SDGs), and particularly SDG 3 targets and indicators - Appreciate the lived experiences of women and families with severe complications during pregnancy, postpartum or during childhood - Identify ways in which patients can be engaged as advocates for better healthcare  Preparation: - Elearning modules: 2.1 Introduction Maternal and Newborn Health, 2.2. Basic epidemiologic measures, 2.3. Maternal mortality and morbidity; 2.5 Newborn Health	Break Respectful maternal and newborn care: exploring the burden of mistreatment of women during childbirth: evidence from the WHO multi-country study Dr Kwame Adu-Bonsaffah  Learning objectives: - Introduce WHO's recommendations for approaches for a positive experience during antenatal (ANC), intrapartum (PIC) and postpartum (PPIC) care - Know the burden of mistreatment of women during childbirth - Appreciate the lived experiences of women, newborns and families that can be improved to allow for better maternal and newborn health outcomes and experience of care  Preparation: Elearning module 2.4 Health systems and maternity care services	11.00-11.15 Break Maternal vaccination Prof. Louis Bont & Prof. Kitty Bloemenkamp/Drs Odette de Bruin  - Understand the importance and mechanism of maternal vaccination - Explore common vaccines recommended for pregnant women - Understand the safety and efficacy of vaccines during pregnancy: (1) Examine the impact of maternal vaccination on maternal and infant health; (2) Understand how to perform a systematic review and meta-analysis - Challenges and opportunities for upcoming maternal vaccinations (e.g. RSV, GBS)  Preparation: - Omer SB, Maternal Immunization. NEJM 376:13; - Kampmann B et al. Bivalent PreExson F vaccine in Pregnancy to prevent RSV illness in Infants. NEJM 388; 16	11.00-11.15 Break 11.15 - 12.15 - Severe malnutrition part 2 Dr. Wiegier Voskuil/malnutrition  Learning objectives: - Can fatality be predicted: Using routine and new admission data to create outcome prediction models. - Identify clinical warning signs that increase the risk of a poor clinical outcome (including mortality) in young, sick and vulnerable/malnourished children.	11.15-11.30 Break 11.30-12.15 Health systems perspectives 12.15-13.00 Impact of maternal mortality registrations: experiences from Suriname Dr. Lachmi Kodan - Introduce causes of maternal morbidity and mortality in middle-income settings - Discuss the impact of adequate data collection and audit of cases - Understand the importance of bottom-up approaches to improve maternal health in a middle-income country - Introduce interventions to reduce maternal morbidity and mortality based on recommendations from audit
Lunch: 12.15-13.00	Lunch	12.15 - 13.00 Lunch	12.15 - 13.00 Lunch	12.15 - 13.00 Lunch	13.00 - 13.30 Lunch
<b>Afternoon</b>	13.00-14.30 MNCH in different countries Dr Joyce Browne  Learning objectives: - Present and discuss different country case studies	The role of audits to prevent maternal morbidity and mortality and strengthen quality of care Prof. Thomas van den Akker  Learning objectives: - Reflect on barriers and facilitators of successful obstetric audit - Take part in and observe role play around maternal death and near miss reviews  Reading materials: - Wilcox M, Ozello IA, Maidwell-Smith A, Tura AK, van den Akker T, Knight M. Maternal and perinatal death surveillance and response: a systematic review of qualitative studies. Bull World Health Organ. 2023 Jan 1;101(1):62-75G. doi: 10.2471/BLT.22.288703. (optional, summary of): MBRACE-UK: Mothers and Babies: Reducing Risk through Audits and Confidential Enquiries across the UK. <a href="https://www.npeu.ac.uk/mbrace-uk">https://www.npeu.ac.uk/mbrace-uk</a>	Mental Health within maternal and newborn healthcare Salim Wangabi  Learning objectives: - Identify the impact of severe adverse maternal and perinatal outcomes on mental health of women and/or families. - Explore strategies to address and support the mental health of women	13.00 - 14.30 - Infectious Diseases: the old and the new Dr. Arthur Edridge  Learning objectives: - Understand main principles of why pathogens emerge - To have knowledge on the major infectious disease epidemics in the past - To know which pathogens are most likely to emerge in the future	13.30-14.45 Global pediatric oncology & surgery Dr. Mieke Hulbers, Drs. Eva Stortelder - Understand the burden of pediatric oncology in LMIC with regards to current situation and future - Know the importance of early recognition of disease, diagnostics and treatment of pediatric cancer from a global perspective - Identify approaches to handle congenital anomalies in the low resource setting
14.30-14.45 Tea break	14.45-15.45 Respectful maternity care and a social justice approach to maternal and newborn health Dr Tanek Meguid  Learning objectives: - Apply the concepts of human rights and social justice to maternal and newborn health - Discuss the concept of respectful maternity care, and how this can be realized in low resources settings	Tea break Family planning, and safe abortion Dr Camilla Alay Llamas  Learning objectives: - Know the unmet need of family planning, and its consequences - Discuss challenges and opportunities related to access to family planning - Discuss a case study of the Philippines and the situation related to family planning and (un)safe abortion  Preparation: - Read Chapter 1 (Page 28 to 41) FORSAKEN LIVES: The Harmful impact of the Philippine Criminal Abortion Ban by Center for Reproductive Rights <a href="https://reproductiverights.org/sites/default/files/documents/phil_report_spreads.pdf">https://reproductiverights.org/sites/default/files/documents/phil_report_spreads.pdf</a> - Watch this video: <a href="https://cdn.theguardian.tv/mainwebsites/2017/07/06/170706filipinofamilyplanning_2_ekg.m4">https://cdn.theguardian.tv/mainwebsites/2017/07/06/170706filipinofamilyplanning_2_ekg.m4</a> - Think about an example from their own context (either where they worked or from their own countries) on barriers to access to family planning, contraception and safe abortion. Are there any "positive" or "good" news in terms of prochoice movements in your country?	Tea break Community and patient engagement in maternal health research Mrs Kwame Koo Larbi & Dr Joyce Browne  Learning objectives: - Appreciate the patients experiences with a severe complication during pregnancy and perinatal loss - Understand the concept of transdisciplinary research, and the value this brings to research - Discuss approaches to community and patient engagement within maternal health research and health advocacy - Explore the role of the arts (e.g. film/documentaries) to raise awareness and engage communities and the public	Tea break 14.35 - 15.45 - Severe Anaemia in Children: Aetiology, Treatment & Prevention Prof. Michael Boele van Hensbroek  Learning objectives: - Understand the importance and burden of (anaemia) in children in LMIC's. - To be able to make a differential diagnosis for a child that presents with severe pallor. - To know which treatment and preventive options for severe anaemia are available	14.14-14.30 Tea break 15.00-16.15 Presentations of small group work (depending on number of students, can be in parallel sessions) All members of MNCH available
15.45-16.30 Introduction week assignment and small working group	Assignment small group (continued after wrap up session)	Assignment small group (continued after wrap up session)	Assignment small group (continued after wrap up session)	Assignment small group (continued after wrap up session)	
16.30-16.45 Wrap up & evaluation of day 1 MNCH summer school team  - Reflection on key learnings and proceedings of day 1	Wrap up & evaluation of day 2 MNCH summer school team  - Reflection on key learnings and proceedings of day 2	Wrap up & evaluation of day 3 MNCH summer school team  - Reflection on key learnings of day 3	Wrap up & evaluation of day 4 MNCH summer school team  - Reflection on key learnings and proceedings of day 4	16.15-16.45: Good byes, final evaluation and certificates MNCH summer school team	
<b>Evening</b>	18.00 WKZ/Child Health Research program pizza evening				
	Group assignment topic: climate change and SRHR				