



MAILMAN SCHOOL OF PUBLIC HEALTH
Columbia University

EmONC Training Curricula Comparison

The purpose of this guide is to provide a quick resource for trainers and course administrators to decide which EmONC curriculum is most applicable to their training needs. Depending on the types and levels of health care workers to be trained and the time available to upgrade and/or reinforce skills, this guide can assist in designing the most appropriate course for local needs. Each of these curricula was designed for an in-service training course, although they are certainly adaptable to pre-service training as well. Most of the curricula presented here are available online, free of charge.

Courses Included in the Guide:

1) Best Practices in Maternal and Newborn Care: A Learning Resource Package for Essential and Basic Emergency Obstetric and Newborn Care (2008)

<http://www.accesstohealth.org/toolres/pubs.htm>

(ACCESS/JHPIEGO) *Based on AMDD/JHPIEGO Emergency Obstetric Care for Doctors and Midwives (2002). A complementary anesthesia curriculum to the 2002 edition can be accessed on the AMDD website, and both the EmOC and Anesthesia curricula are also available in French: <http://www.amddprogram.org/dp/content/technical-resources>

Best Practices in Maternal and Newborn Care: A Learning Resource Package for Essential and Basic Emergency Obstetric and Newborn Care helps provide the updates on best practices needed to teach faculty and students the most current evidence-based care. Use of this package assumes that basic skills, such as normal birth or normal antenatal care, are already being taught. This package of materials supplements the basic teaching resources already being used in order to update faculty and ensure that current evidence-based practices are included in midwifery education programs.

2) Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care (2008)

<http://www.raiseinitiative.org/training/#emoc>

(RAISE Initiative) *Based on AMDD/JHPIEGO Emergency Obstetric Care for Doctors and Midwives (2003). This 2002 edition is available in French on the AMDD website:

<http://www.amddprogram.org/dp/content/technical-resources>

Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care is part of the clinical training package designed to prepare participants to manage obstetric emergencies and work effectively as members of an EmONC team. This manual is based on existing material and has been updated and adapted for use in emergency settings, and has been pretested at the RAISE Training Centre. These manuals are intended to be used in a comprehensive training setting complete with clinical supervision and follow-up.

3) Surgical Care at the District Hospital – The WHO Manual (2003)

http://www.who.int/surgery/publications/scdh_manual/en/index.html

(WHO)

The Surgical Care at the District Hospital WHO Manual has been developed as a practical resource for individual practitioners and for use in undergraduate and postgraduate programs, in-service training and continuing medical education programs. It is a general resource for surgical care in hospitals, and includes an extensive section on Emergency Obstetric Care.

4) American College of Nurse Midwives, Life Saving Skills Manual for Midwives, 4th edition (2008)

http://www.midwife.org/dgo_lss.cfm

(American College of Nurse Midwives)

*There is a charge to purchase the manuals for this course. The 3rd edition of this manual is available in Spanish

The American College of Nurse Midwives, Life Saving Skills Manual for Midwives Manual encourages an expanded role for the midwife in recognizing and responding to life-threatening emergencies. The ten modules include Introduction to Maternal Mortality; Quality Antenatal Care; Monitoring Labor Progress; Episiotomies and Repair of Lacerations; Prevention and Treatment of Hemorrhage; Resuscitation (adult and infant); Prevention and Management of Sepsis (adult and infant); Hydration and Rehydration; Vacuum Extraction; Other Emergencies (labor and delivery problems, post abortion care, LSS Formulary). The manual addresses problem solving using a history and physical examination, problem identification and appropriate action, and referral with stabilization and transportation. Principles of infection prevention and the prevention of maternal-child transmission of HIV are incorporated throughout. The emphasis is on clinical practice with as much experience as it takes for each individual trainee to become competent. Class demonstrations and discussions are held near the clinical area so that participants are on hand when a laboring woman presents with a condition that requires the clinical management skills being learned. The process for implementing and sustaining an LSS program is presented in the LSS Manual for Policy Makers and Trainers.

5) WHO Midwifery Education Modules, 2nd Edition (2006)

http://www.who.int/making_pregnancy_safer/publications/midwifery_modules/en/index.html

(WHO)

The WHO Midwifery Education Modules are aimed to help skilled practitioners think critically and make effective decisions on the basis of solid knowledge and understanding of obstetric complications. The modules were released in 1996 and have now been updated in line with recent evidence and the WHO clinical guidelines. Each module can be taught independently of the other modules, although it is advisable to work through all of them. The six modules are: a foundation module (including the Midwife in the Community), managing eclampsia, managing incomplete abortion, managing prolonged and obstructed labor, managing postpartum hemorrhage, and managing puerperal sepsis.



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Table 1 – General EmONC Course Description and Overview

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Course duration	2 or 3 week workshop (schedules for both) *Facilitators may also pick and choose from the modules to create a schedule that fits own needs)	15 sessions (1 week) + 2 weeks supervised practicum, and a 6 week to three-month self-directed practicum	Manual of surgical care, not specifically aimed for training purposes	6 days (for 8 hours per day)	6 modules, which can be taught separately or together (duration varies for each module from 3 days to 2 weeks)
(Classroom/lecture time and practical time identified if available)	-2 week course: on call every 4 th evening, morning rounds every 4 th morning, 4 days of 3-7 hour clinicals at the end of course -3 week course: : on call every 4 th evening, morning rounds every 4 th morning, 8 days of 4-6 hour clinicals at the end of course	Skills practice to take place during one week course. Clinical practicum to follow up with visits from trainers	No set format	Focus is on classroom learning	Majority of time is spent in classroom, but community visits and practical clinical experiences are advised

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Targeted training population/cadre	Midwives	Practicing clinicians (doctors, clinical officers, midwives and/or nurses with midwifery skills)	Midwives and physicians	Midwives	Midwives
Covers Basic EmOC skills	X	X	(some)	X	X
Covers Comprehensive EmOC skills	(some)	X	(some)	X	X
Covers instructions for EmOC surgical procedures		X	X	X	
Covers Anesthesia	Companion Guide contains this information	(brief)	Extensive information	Only covers local anesthesia	
Modular format can be adapted to local needs	X	X		X	X
Guidance for course follow up		2 weeks supervised practicum following course			X Recommends six month follow-up meeting
Uses team approach to learning	X	X		Includes group discussion questions at the end of module	X
Includes teaching techniques for trainers	X	X			X

Table 2 – EmONC Course Materials

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Trainers Manual available (or guidance for trainer's included)	X	X			Guidance for trainers is written in italics throughout the manual (but not it's own manual)
Participant manual available	X	X	X (general manual)	X	No
Skills checklist available	X	X		X	X
Course Evaluation included	X (Mid-course and End of course evaluations available, review questions at end of sections)	X (includes pre-course knowledge questionnaire and mid-course knowledge exam)	X (Includes review questions for each chapter)	X (Includes recommendations for pre-post test questions for each module, but not a complete test. Also includes review questions at end of each section.)	X Pre- and post- tests, instructions for assessing clinical competence by observation, other options during group work (learning games and quizzes,etc.)
PowerPoint presentations available	X		X		

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Case studies, Role playing scenarios included	X	X		X	X
Manuals are available free online	X	X	X		X
Additional materials included	-Instructions for making teaching materials/props	-Supplementary guide on Post-Abortion Care -Separate protocol guide on managing maternal and newborn complications -Each section includes a “Learning Guide” to assess the performance of each task -Materials for use in self-directed practicum: clinical experience log book and action plan worksheets		-Learning aids for additional information included at the end of modules - Includes “Guide for Caregivers” (Smaller spiral-bound reference book which provides clinicians with a quick reference guide of all topics taught in course, including protocols, formulary and skills checklists) -Common medical terms included	-Uses a variety of teaching/learning techniques, including: Lectures, Discussions, Group work, Tutorials, Practical exercises, community visits, clinical teaching, drama and role play, case studies, learning games and puzzles, workshops, reflection -Lessons on sensitizing midwives on complications and referral

Table 3 – EmONC Course Content: Basic Delivery Skills

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Normal vaginal birth delivery/ Three stages of labor	X	X	X	X	X
Malpositions or Malpresentations of baby (ie: Breech)	X	X	X	X	X
Manual removal of placenta	X	X	X	X	X
Remove retained products (ie: manual vacuum extraction, dilation and curettage)	X	X	X	X (extensive information)	X (extensive information on vacuum extraction)
Episiotomy	X	X	X	X (Extensive information – an entire module- on care and procedure)	X
Repair of vaginal tears	X	X	X	X	X

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Using a Partograph (specify if uses old or WHO modified version)	X (uses WHO version)	X (uses WHO version)	X (uses WHO version)	X (uses old version)	X (uses WHO version)
Infection prevention and Treatment	X			X	X (extensive information)
Postpartum Care	X	X		X	X (limited to postpartum hemorrhage)
Preventing Mother-to- child transmission of HIV	X			X	X
Newborn Assessment	X	X		X	
Basic Newborn Resuscitation (with bag and mask)	X	X	X (in depth)	X	
Postpartum care of newborn	X	X		X	
Kangaroo Care	X			X	
Antenatal Care	X			X	
Prevention and Management of malaria in pregnancy	X			X	
Nutrition in Pregnancy	X			X	

Table 4 – EmONC Course Content: Management of Maternal Complications

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
1) Hemorrhage					
Bleeding in early pregnancy	X	X	X	X	X
Bleeding in late pregnancy	X	X	X	X	X
Postpartum bleeding	X	X	X	X	X
Placenta Previa	X	X	X	X	
Abruptio Placentae	X	X	X	X	
Manual removal of placenta	X	X	X	X	X
Administering uterotonic drugs	X	X	X	X	X
Administer blood transfusion	(brief overview)		X		X
2) Management of Prolonged or obstructed labor					
Assisted vaginal delivery using vacuum extractor	X	X	X	X (extensive information)	X
Assisted vaginal delivery using forceps	X		X		

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Caesarean Section	(brief reference, no in depth discussion)	X	X (extensive procedure instructions)	X (Instructions for First Assist only)	
Managing complications of Caesarean Sections			X		
Craniotomy and Craniocentesis		X	X		
3) Pre-eclampsia or eclampsia					
Managing pre- eclampsia (headache, blurry vision, convulsions or loss of consciousness)	X	X	X	X	X
Managing Eclampsia	X	X	X	X	X
Administer parenteral anticonvulsants	(brief overview)	X	X	X	X (brief overview)
4) Sepsis					
Fever during/after childbirth	X	X		X (extensive information)	X (extensive information)
Types of infections and treatment	X			X (extensive information)	X

	Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
5) Ruptured Uterus					
Repair of ruptured uterus	(brief reference)	X	X	X	X
Repair of inverted uterus			X	X	
6) Complications of Abortion					
Removal of retained products (using manual vacuum aspiration)	X	X (More in depth information available as part of separate supplementary guide on Post-Abortion Care)	X	X	X
Removal of retained products (using dilation and curettage)			X	X	
7) Adult Resuscitation	X	X	X (in depth)	X (in depth)	

Table 5 – EmONC Course Content: Supplementary Surgery Content

	Essential and basic emergency obstetric and newborn care, Access/JHPIEGO	Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	Surgical Care at the District Hospital, WHO	Life Saving Skills Manual for Midwives, ACNM	Midwifery Education Modules, WHO
Surgery preparation			X		
Anesthesia			X (Includes considerations for pregnant women, children and specific medical disorders)	(Only includes local anesthesia)	
Endotracheal Intubation		X	X		
Tubal Sterilization at Caesarean Section			X		
Postpartum Hysterectomy			X		
Uterine and Utero-ovarian artery ligation			X		
Repair of Bladder injury			X		

Table 6 – EmONC Course Content: Supplementary Content

	OPTION 1: Essential and Basic Emergency Obstetric and Newborn Care, ACCESS/JHPIEGO	OPTION 2: Clinical Training for Reproductive Health in Emergencies: Emergency Obstetric Care, RAISE Initiative	OPTION 3: Surgical Care at the District Hospital, WHO	OPTION 4: Life Saving Skills Manual for Midwives, ACNM	OPTION 5: Midwifery Education Modules, WHO
Principles of Maternal and Neonatal mortality reduction	X			X	X
Evidence-Based Medicine	X				
Caring behavior	X	X		X	X
Clinical Decision Making / Problem Solving methods	X			X	
Performance and quality improvement	X				X