

NEWBORN CARE INTERVENTIONS - BIRTH AND POSTNATAL

PRIORITY INTERVENTIONS	LEVEL OF CARE (COMMUNITY, PRIMARY, REFERRAL)	COMMUNITY OR PROFESSIONAL HEALTH WORKERS	KEY COMMODITIES (SUPPLEMENTED BY ANNEX)	PRACTICE GUIDELINES AND TRAINING MANUALS
IMMEDIATE ESSENTIAL NEWBORN CARE (AT THE TIME OF BIRTH)				
Promotion and provision of thermal care for all newborns to prevent hypothermia (immediate drying, warming, skin to skin, delayed bathing) ⁵⁵	Community Primary Referral	ALL	<ul style="list-style-type: none"> Materials for counselling, health education and health promotion 	<ul style="list-style-type: none"> WHO essential newborn care www.who.int/making_pregnancy_safer/documents/newborncare_course/en/index.html WHO. Thermal protection of the newborn: a practical guide (Part of training material) http://www.who.int/making_pregnancy_safer/documents/ws42097th/en/ WHO. IMCI chart booklet (2008) www.who.int/child_adolescent_health/documents/IMCI_chartbooklet/en/index.html
Promotion and support for early initiation and exclusive breastfeeding (within the first hour) ⁵⁶⁻⁵⁹	Community Primary Referral	ALL	<ul style="list-style-type: none"> Materials for counselling, health education and health promotion 	<ul style="list-style-type: none"> WHO. Infant and Young child feeding - Programming Guide www.who.int/child_adolescent_health/documents/9241591218/en/index.html WHO. IMCI chart booklet (2008) www.who.int/child_adolescent_health/documents/IMCI_chartbooklet/en/index.html Infant young child feeding counselling: An integrated course (Part of training material) www.who.int/nutrition/publications/infantfeeding/9789241594745/en/index.html
Promotion and provision of hygienic cord and skin care ⁶⁰	Community Primary Referral	ALL	<ul style="list-style-type: none"> Cord clamp and scissors Clean birth kit for health facilities 	<ul style="list-style-type: none"> WHO Essential newborn care www.who.int/making_pregnancy_safer/documents/newborncare_course/en/index.html WHO. IMCI chart booklet (2008) www.who.int/child_adolescent_health/documents/IMCI_chartbooklet/en/index.html WHO. IMPAC - Pregnancy, childbirth, postpartum and newborn care: a guide for essential practice (2006) www.who.int/making_pregnancy_safer/documents/924159084x/en/index.html
Neonatal resuscitation with bag and mask for babies who do not breathe at birth ⁶¹⁻⁶³	Primary Referral	Professional health workers	<ul style="list-style-type: none"> Training aids and devices to maintain competencies Newborn resuscitation device (Ambu Bag, bag-mask and suction device) 	<ul style="list-style-type: none"> American Academy of Pediatrics Helping babies breathe - The Golden Minute www.helpingbabiesbreathe.org/masterTrainers.html WHO Essential newborn care www.who.int/making_pregnancy_safer/documents/newborncare_course/en/index.html
Newborn immunization	Primary Referral	Professional health workers	<ul style="list-style-type: none"> Vaccines, syringes, safety boxes, cold chain equipment 	<ul style="list-style-type: none"> WHO Vaccine Position papers www.who.int/immunization/position_papers/en/
NEONATAL INFECTION MANAGEMENT				
Presumptive antibiotic therapy for the newborns at risk of bacterial infection ⁶⁴	Referral	Professional health workers	<ul style="list-style-type: none"> Antibiotics (ampicillin and gentamicin or penicillin) 	<ul style="list-style-type: none"> WHO. Managing newborn problems - a guide for doctors, nurses and midwives www.who.int/making_pregnancy_safer/documents/9241546220/en/index.html WHO. IMPAC - Pregnancy, childbirth, postpartum and newborn care: a guide for essential practice (2006) www.who.int/making_pregnancy_safer/documents/924159084x/en/index.html
Case management of neonatal sepsis, meningitis and pneumonia ⁶⁵⁻⁶⁹	Primary Referral	Professional health workers	<ul style="list-style-type: none"> Materials for counselling, health education and health promotion Thermometer / digital thermometer Timer Blood sugar sticks (disposable) Nasogastric tube Antibiotics (oral and injectable) 	<ul style="list-style-type: none"> WHO. IMCI chart booklet (2008) www.who.int/child_adolescent_health/documents/IMCI_chartbooklet/en/index.html WHO. Pocket book of hospital care for children (2005) www.who.int/child_adolescent_health/documents/9241546700/en/index.html
Initiation of ART in babies born to HIV infected mother	Primary Referral	Professional health workers	<ul style="list-style-type: none"> HIV testing kit + ARVs 	<ul style="list-style-type: none"> Rapid Advice: Use of antiretroviral drugs for treating pregnant women and preventing HIV infection in infants http://whqlibdoc.who.int/publications/2009/9789241598934_eng.pdf

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INTERVENTIONS FOR SMALL AND ILL BABIES				
Kangaroo mother care (KMC) for preterm and for < 2000g babies ^{70, 71}	Primary Referral	Professional health workers	<ul style="list-style-type: none"> Materials for counselling, health education and health promotion Support Binder for KMC (KMC wrap) Hat Nasogastric tube 	<ul style="list-style-type: none"> WHO Kangaroo mother care: a practical guide www.who.int/making_pregnancy_safer/documents/9241590351/en/ WHO. Essential newborn care course (2010) - Training Tool www.who.int/making_pregnancy_safer/documents/newborn_care_course/en/
Extra support for feeding the small and preterm baby ⁷²	Primary Referral	Professional health workers	<ul style="list-style-type: none"> Nasogastric tubes Feeding cups Breast pump Syringe drivers Blood sugar testing sticks Materials for counselling 	<ul style="list-style-type: none"> WHO guide for feeding preterm and LBW babies (forthcoming in the web) WHO. Essential newborn care course (2010) - Training Tool www.who.int/making_pregnancy_safer/documents/newborn_care_course/en/
Prophylactic and therapeutic use of surfactant to prevent respiratory distress syndrome in pre-term babies ⁷³	Referral	Professional health workers	<ul style="list-style-type: none"> Surfactant Oxygen supply/concentrator Pulse oximeter 	<ul style="list-style-type: none"> WHO. IMPAC - Managing newborn problems: a guide for doctors, nurses and midwives (2003) - Guideline www.who.int/making_pregnancy_safer/documents/9241546220/en/index.html
Continuous positive airway pressure (CPAP) to manage pre-term babies with respiratory distress syndrome ^{74, 75}	Referral	Professional health workers	<ul style="list-style-type: none"> Standard CPAP or bubble CPAP Oxygen supply/concentrator Pulse oximeter 	<ul style="list-style-type: none"> WHO. IMPAC - Managing newborn problems: a guide for doctors, nurses and midwives (2003) www.who.int/making_pregnancy_safer/documents/9241546220/en/index.html
Management of newborns with jaundice ^{76, 77}	Primary Referral	Professional health workers	<ul style="list-style-type: none"> Bilirubinometer Phototherapy lamp eye shade IV fluids Exchange transfusion kit 	<ul style="list-style-type: none"> WHO. Pocket book of hospital care for children (2005) www.who.int/child_adolescent_health/documents/9241546700/en/index.html WHO. IMPAC - Managing newborn problems: a guide for doctors, nurses and midwives (2003) www.who.int/making_pregnancy_safer/documents/9241546220/en/index.html

