

Annex 3C. Essential Universal Health Coverage: Interventions and Platforms

Supplementary material for: Watkins, DA, DT Jamison, A Mills, R Atun, K Danforth, and others. 2018. “Universal Health Coverage and Essential Packages of Care.” In *Disease Control Priorities: Improving Health and Reducing Poverty* edited by DT Jamison, H Gelband, S Horton, P Jha, R Laxminarayan, CN Mock, and R Nugent. Volume 9 of *Disease Control Priorities, third edition*. Washington, DC: World Bank.

Table 3C.1 Essential Universal Health Care: Population-based platform

Number	Intervention name	DCP3 packages (Package number)	Time priority ^a	HPP
P1	Mass media messages concerning sexual and reproductive health and mental health for adolescents	Adolescent health (4) HIV (6)	Non-urgent	
P2	Mass media messages concerning healthy eating or physical activity	Adolescent health (4) HIV (6) CVD (11) Musculoskeletal (14)	Non-urgent	✓
P3	Mass media messages concerning use of tobacco and alcohol	Adolescent health (4) HIV (6) CVD (11) Musculoskeletal (14)	Non-urgent	
P4	Mass media encouraging use of condoms, voluntary medical male circumcision, and STI testing	HIV (6)	Non-urgent	
P5	Systematic identification of individuals with TB symptoms among high-risk groups and linkage to care (“active case finding”)	TB (7)	Non-urgent	✓
P6	Sustained vector management for Chagas disease, visceral leishmaniasis, dengue, and other nationally important causes of nonmalarial fever	Adult febrile illness (8) NTDs (9) CVD (11)	Non-urgent	✓
P7	Conduct a comprehensive assessment of International Health Regulations (IHR) competencies using the Joint External Evaluation tool and develop, cost, finance and implement an action plan to address gaps in preparedness and response	Pandemics (10)	Non-urgent	
P8	Conduct simulation exercises and health worker training for outbreak events including outbreak investigation, contact tracing and emergency response	Pandemics (10)	Non-urgent	
P9	Decentralize stocks of antiviral medications in order to reach at-risk groups and disadvantaged populations	Pandemics (10)	Non-urgent	
P10	Develop and implement a plan to ensure surge capacity in hospital beds, stockpiles of disinfectants, equipment for supportive care and personal protective equipment	Pandemics (10)	Non-urgent	
P11	Develop plans and legal standards for curtailing interactions between infected persons and uninfected population and implement and evaluate infection control measures in health facilities	Pandemics (10)	Non-urgent	
P12	Ensure influenza vaccine security at national and subnational level	Pandemics (10)	Non-urgent	
P13	Mass media messages concerning awareness on handwashing and health effects of household air pollution	Environmental health (17)	Non-urgent	

Number	Intervention name	DCP3 packages (Package number)	Time priority ^a	HPP
Totals				
	EUHC = 13			
	HPP = 3			
	Urgent = 0			
	Non-urgent = 13			
	Continuing = 0			

^a *Urgent* interventions, such as management of labor and delivery or appendectomy, are ideally available 24/7 close to where patients live. *Non-urgent* describes patients requiring non-urgent but substantial intervention – repair of cleft lips and palates is an example—that can be accumulated over space and time enabling the efficiencies of high volume in service delivery. *Continuing* care encompasses non-urgent interventions to address chronic conditions (for example secondary prevention of vascular disease or antiretroviral therapy for HIV+ individuals).

CVD = cardiovascular disease; HIV = human immunodeficiency virus; IHR = International Health Regulations; NTDs = neglected tropical diseases; STI = sexually transmitted infection; TB = tuberculosis.

Note: *DCP3* defines populations-based platforms as follows: This platform captures all nonpersonal or population-based health services, such as mass media and social marketing of educational messages, as typically delivered by public health agencies. Dengue is included among adult febrile illnesses. Environmental improvements affect the incidence of risk factors both for infectious and for noncommunicable disease. We include under NCDs because the more significant consequences lie there

Table 3C.2 Essential Universal Health Care: Community platform

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
C1	Antenatal and postpartum education on family planning	Maternal and newborn health (1)	Non-urgent	
C2	Counseling of mothers on providing thermal care for preterm newborns (delayed bath and skin-to-skin contact)	Maternal and newborn health (1)	Urgent	✓
C3	Management of labor and delivery in low-risk women by skilled attendants, including basic neonatal resuscitation following delivery	Maternal and newborn health (1)	Urgent	✓
C4	Promotion of breastfeeding or complementary feeding by lay health workers	Maternal and newborn health (1) Child health (2)	Non-urgent	
C5	Tetanus toxoid immunization among schoolchildren and among women attending antenatal care	Maternal and newborn health (1) School-age health (3) Reproductive health (5)	Non-urgent	✓
C6	HIV education and counseling for pregnant women, sex workers, people who inject drugs, men who have sex with men, transgender individuals, and PLHIV and their partners	Maternal and newborn health (1) HIV (6)	Non-urgent	
C7	In high malaria transmission settings, intermittent preventive treatment in pregnancy	Maternal and newborn health (1) Adult febrile illness (8)	Continuing	✓
C8	Detection and management of severe acute malnutrition and referral in the presence of complications	Child health (2)	Urgent	✓
C9	Detection and treatment of childhood infections (iCCM), including referral if danger signs	Child health (2)	Urgent	✓
C10	Education on handwashing and safe disposal of children's stools	Child health (2)	Non-urgent	✓
C11	Pneumococcus vaccination	Child health (2)	Non-urgent	✓
C12	Rotavirus vaccination	Child health (2)	Non-urgent	✓
C13	Provision of cotrimoxazole to children born to HIV-positive mothers	Child health (2)	Continuing	✓
C14	Provision of vitamin A and zinc supplementation to children according to WHO guidelines, and provision of food supplementation to women and children in food insecure households	Child health (2) School-age health (3) Reproductive health (5) CVD (11)	Non-urgent	✓
C15	Mass social marketing of insecticide-treated nets	Child health (2) School-age health (3) Adult febrile illness (8)	Non-urgent	
C16	Childhood vaccination series (diphtheria, pertussis, tetanus, polio, BCG, measles, hepatitis B, HiB, rubella)	Child health (2) HIV (6) TB (7) Cancer (12) Congenital disorders (15)	Non-urgent	✓
C17	In high malaria transmission settings, indoor residual spraying (IRS) in selected areas with high transmission and entomologic	Child health (2) Adult febrile illness (8)	Non-urgent	✓

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
data on IRS susceptibility				
C18	Education of schoolchildren on oral health	School-age health (3)	Non-urgent	
C19	Vision prescreening by teachers; vision tests and provision of ready-made glasses on-site by eye specialists	School-age health (3)	Non-urgent	
C20	School-based HPV vaccination for girls	School-age health (3) Reproductive health (5) HIV (6) Cancer (12)	Non-urgent	✓
C21	Mass drug administration for lymphatic filariasis, onchocerciasis, schistosomiasis, soil-transmitted helminthiases and trachoma, and foodborne trematode infections	School-age health (3) NTDs (9)	Non-urgent	✓
C22	School-based education on sexual health, nutrition, and health lifestyle	Adolescent health (4) Reproductive health (5) HIV (6)	Non-urgent	
C23	Adolescent-friendly health services including: provision of condoms to prevent STIs; provision of reversible contraception; treatment of injury in general and abuse in particular; and screening and treatment for STIs	Adolescent health (4) HIV (6)	Non-urgent	
C24	Life skills training in schools to build social and emotional competencies	Adolescent health (4) Mental health (13)	Non-urgent	
C25	Education campaigns for the prevention of gender-based violence	Reproductive health (5)	Non-urgent	
C26	In countries where it is a public health concern, prevention of FGM (may be for daughters of women of reproductive age)	Reproductive health (5)	Continuing	
C27	Provision of iron and folic acid supplementation to pregnant women, and provision of food or caloric supplementation to pregnant women in food-insecure households	Reproductive health (5) CVD (11)	Continuing	✓
C28	Community-based HIV testing and counseling (for example, mobile units and venue-based testing), with appropriate referral or linkage to care and immediate initiation of lifelong ART	HIV (6)	Continuing	✓
C29	Household HIV testing and counseling in high-prevalence settings, with appropriate referral or linkage to care and immediate initiation of lifelong ART	HIV (6)	Continuing	
C30	Provision of condoms to key populations, including sex workers, men who have sex with men, people who inject drugs, transgender populations, and prisoners	HIV (6)	Non-urgent	✓
C31	Provision of harm reduction services such as safe injection equipment and opioid substitution therapy to people who inject drugs	HIV (6) Mental health (13)	Continuing	✓
C32	Routine contact tracing to identify individuals exposed to TB and link them to care	TB (7)	Non-urgent	
C33	For malaria due to <i>P. vivax</i> , test for G6PD deficiency; if normal, add chloroquine or chloroquine plus 14-day course of	Adult febrile illness (8)	Urgent	

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
	primaquine			
C34	Conduct larviciding and water-management programs in high malaria transmission areas where mosquito breeding sites can be identified and regularly targeted	Adult febrile illness (8)	Non-urgent	
C35	In all malaria-endemic countries, diagnosis with rapid test or microscopy (including speciation) followed by treatment with ACTs (or current first-line combination)	Adult febrile illness (8)	Urgent	✓
C36	In high malaria transmission settings where rapid tests and microscopy are unavailable, presumptive treatment of febrile illness with ACTs (non-severe cases) or ACTs plus antibiotics (severe cases)	Adult febrile illness (8)	Urgent	✓
C37	In high malaria transmission settings, intermittent preventive treatment in infancy (except where seasonal malaria chemoprophylaxis is being provided)	Adult febrile illness (8)	Continuing	✓
C38	In low malaria transmission settings, addition of single low-dose primaquine to first-line treatment	Adult febrile illness (8)	Urgent	
C39	In low malaria transmission settings, case investigation, reactive case detection, proactive case detection (including mass screening and treatment)	Adult febrile illness (8)	Non-urgent	
C40	In the Sahel region, seasonal malaria chemoprophylaxis	Adult febrile illness (8)	Non-urgent	✓
C41	Mass drug administration in low malaria transmission settings (including high-risk groups in geographic or demographic clusters)	Adult febrile illness (8)	Non-urgent	
C42	Management of lymphedema	NTDs (9)	Continuing	
C43	Early detection and treatment of Chagas disease, human African trypanosomiasis, leprosy, and leishmaniasis	NTDs (9)	Urgent	✓
C44	Total community treatment for yaws	NTDs (9)	Non-urgent	
C45	Identify and refer patients with high risk including pregnant women, young children, and those with underlying medical conditions	Pandemics (10)	Urgent	
C46	In the context of an emerging infectious outbreak, provide advice and guidance on how to recognize early symptoms and signs and when to seek medical attention	Pandemics (10)	Non-urgent	
C47	Exercise-based pulmonary rehabilitation for patients with obstructive lung disease	CVD (11)	Continuing	
C48	Self-managed treatment of migraine	Mental health (13)	Non-urgent	
C49	Early identification of lead poisoning and counseling of families in remediation strategies for sources of environmental exposure	Injury (16)	Non-urgent	
C50	Parent training for high-risk families, including nurse home visitation for child maltreatment	Injury (16)	Continuing	

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
C51	WASH behavior change interventions, such as community-led total sanitation	Environmental health (17)	Non-urgent	
C52	Cardiac and pulmonary rehabilitation programs	Rehabilitation (19)	Continuing	
C53	Early childhood development rehabilitation interventions, including motor, sensory, and language stimulation	Rehabilitation (19)	Continuing	
C54	Functional interventions for self-care for individuals with disabilities	Rehabilitation (19)	Continuing	
C55	Individualized environmental modifications (for example, adaptations to a house)	Rehabilitation (19)	Continuing	
C56	Pressure area prevention and supportive seating interventions for wheelchair users	Rehabilitation (19)	Continuing	
C57	Provision and training in the use of basic assistive products (such as canes, braille displays, and other aides) and compensatory strategies needed to communicate and perform activities of daily living	Rehabilitation (19)	Continuing	
C58	Training and retraining for disorders of speech, swallowing, communication, and cognition	Rehabilitation (19)	Continuing	
C59	Training, retraining, and exercise programs that address musculoskeletal injuries and disorders, including chronic low back and neck pain	Rehabilitation (19)	Continuing	
Totals				
EUHC = 59				
HPP = 24				
Urgent = 10				
Non-urgent = 30				
Continuing = 19				

^a *Urgent* interventions, such as management of labor and delivery or appendectomy, are ideally available 24/7 close to where patients live. *Non-urgent* describes patients requiring non-urgent but substantial intervention – repair of cleft lips and palates is an example—that can be accumulated over space and time enabling the efficiencies of high volume in service delivery. *Continuing* care encompasses non-urgent interventions to address chronic conditions (for example secondary prevention of vascular disease or antiretroviral therapy for HIV+ individuals).

ACTs = artemisinin-based combination therapies; ART = antiretroviral treatment; BCG = bacillus Calmette-Guérin; CVD = cardiovascular disease; FGM = female genital mutilation; G6PD = glucose-6-phosphate-dehydrogenase deficiency; HiB = haemophilus influenzae type B; HIV = human immunodeficiency virus; HPV = human papilloma virus; iCCM = integrated community case management; IRS = indoor residual spraying; NTDs = neglected tropical diseases; PLHIV = people living with HIV; STI = sexually transmitted infection; TB = tuberculosis; WASH = water, sanitation, and hygiene; WHO = World Health Organization.

Note: DCP3 defines community platforms as follows: The community platform encompasses efforts to bring health care services to clients, meeting people where they live. It includes a wide variety of delivery mechanisms. Specific subplatforms include the following: health outreach and campaigns (such as vaccination campaigns, mass deworming, and face-to-face information, education, and communication); schools (including school health days); and community health workers, who may be based primarily in the community but also connected to first-level care providers, with ties to the rest of the system.

Table 3C.3 Essential Universal Health Care: Health center platform

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
HC1	Early detection and treatment of neonatal pneumonia with oral antibiotics	Maternal and newborn health (1)	Urgent	✓
HC2	Management of miscarriage or incomplete abortion and post-abortion care	Maternal and newborn health (1)	Urgent	✓
HC3	Management of preterm premature rupture of membranes, including administration of antibiotics	Maternal and newborn health (1)	Urgent	✓
HC4	Provision of condoms and hormonal contraceptives, including emergency contraceptives	Maternal and newborn health (1)	Continuing	✓
HC5	Counseling of mothers on providing kangaroo care for newborns	Maternal and newborn health (1)	Urgent	✓
HC6	Management of neonatal sepsis, pneumonia, and meningitis using injectable and oral antibiotics	Maternal and newborn health (1)	Urgent	✓
HC7	Pharmacological termination of pregnancy	Maternal and newborn health (1)	Urgent	✓
HC8	PMTCT of HIV (Option B+) and syphilis	Maternal and newborn health (1) HIV (6) Congenital disorders (15)	Continuing	✓
HC9	Screening and management of hypertensive disorders in pregnancy	Maternal and newborn health (1) CVD (11)	Continuing	
HC10	Screening and management of diabetes in pregnancy (gestational diabetes or preexisting type II diabetes)	Maternal and newborn health (1) CVD (11) Congenital disorders (15)	Non-urgent	
HC11	Management of labor and delivery in low-risk women (BEmNOC), including initial treatment of obstetric or delivery complications prior to transfer	Maternal and newborn health (1) Surgery (18)	Urgent	✓
HC12	Detection and treatment of childhood infections with danger signs (IMCI)	Child health (2)	Urgent	✓
HC13	Among all individuals who are known to be HIV positive, immediate ART initiation with regular monitoring of viral load for adherence and development of resistance	Child health (2) HIV (6)	Continuing	✓
HC14	Psychological treatment for mood, anxiety, ADHD and disruptive behavior disorders in adolescents	Adolescent health (4) Mental health (13)	Continuing	
HC15	Management of complications following FGM	Reproductive health (5)	Non-urgent	
HC16	Post-gender-based violence care, including counseling, provision of emergency contraception, and rape-response referral (medical and judicial)	Reproductive health (5) HIV (6)	Urgent	✓
HC17	Syndromic management of common sexual and reproductive tract infections (for example, urethral discharge, genital ulcer, and others) according to WHO guidelines	Reproductive health (5) HIV (6)	Urgent	✓
HC18	Opportunistic screening for cervical cancer using visual inspection or HPV DNA testing and treatment of precancerous lesions with cryotherapy	Reproductive health (5) HIV (6) Cancer (12) Surgery (18)	Non-urgent	
HC19	For individuals testing positive for hepatitis B and C, assessment of treatment eligibility by trained providers followed by initiation and monitoring of antiviral treatment when indicated	HIV (6)	Continuing	
HC20	Hepatitis B and C testing of individuals identified in the	HIV (6)	Non-urgent	

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
	national testing policy (based on endemicity and risk level), with appropriate referral of positive individuals to trained providers			
HC21	Partner notification and expedited treatment for common STIs, including HIV	HIV (6)	Urgent	
HC22	PrEP for discordant couples and others at high risk of HIV infection such as commercial sex workers (in high-prevalence settings)	HIV (6)	Continuing	
HC23	Provider-initiated testing and counseling for HIV, STIs, and hepatitis for all in contact with the health system in high-prevalence settings, including prenatal care with appropriate referral or linkage to care including immediate ART initiation for those testing positive for HIV	HIV (6)	Continuing	✓
HC24	As resources permit, hepatitis B vaccination of high-risk populations, including healthcare workers, PWID, MSM, household contacts, and persons with multiple sex partners	HIV (6) Cancer (12)	Non-urgent	
HC25	Provision of voluntary medical male circumcision in settings with high prevalence of HIV	HIV (6) Surgery (18)	Non-urgent	✓
HC26	For PLHIV and children under five who are close contacts or household members of individuals with active TB, perform symptom screening and chest radiograph; if there is no active TB, provide isoniazid preventive therapy according to current WHO guidelines	TB (7)	Continuing	
HC27	Diagnosis of TB, including assessment of rifampicin resistance using rapid molecular diagnostics (UltraXpert), and initiation of first-line treatment per current WHO guidelines for drug-susceptible TB; referral for confirmation, further assessment of drug resistance, and treatment of drug-resistant TB	TB (7)	Continuing	✓
HC28	Screening for HIV in all individuals with a diagnosis of active TB; if HIV infection is present, start (or refer for) ARV treatment and HIV care	TB (7)	Continuing	✓
HC29	Screening for latent TB infection following a new diagnosis of HIV, followed by yearly screening among PLHIV at high risk of TB exposure; initiation of isoniazid preventive therapy among all individuals who screen positive but do not have evidence of active TB	TB (7)	Continuing	
HC30	Evaluation and management of fever in clinically stable individuals using WHO IMAI guidelines, with referral of unstable individuals to first-level hospital care	Adult febrile illness (8)	Urgent	✓
HC31	Focused use of vaccines for endemic infections, such as dengue, JEV, typhoid, meningococcus, and others	Adult febrile illness (8)	Non-urgent	
HC32	Provision of insecticide-treated nets to children and pregnant women attending health centers	Adult febrile illness (8)	Non-urgent	
HC33	Identify and refer to higher levels of health care patients with signs of progressive illness	Pandemics (10)	Urgent	
HC34	Stockpile and consider treating early high-risk patients with antiviral medications according to nationally endorsed guidelines	Pandemics (10)	Non-urgent	
HC35	Annual flu vaccination and pneumococcal vaccine every five years for individuals with underlying lung disease	CVD (11)	Non-urgent	
HC36	Long-term combination therapy for persons with multiple CVD risk factors, including screening for CVD in community	CVD (11)	Continuing	

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
	settings using non-lab-based tools to assess overall CVD risk			
HC37	Low-dose inhaled corticosteroids and bronchodilators for asthma and for selected patients with COPD	CVD (11)	Continuing	
HC38	Provision of aspirin for all cases of suspected acute myocardial infarction	CVD (11)	Urgent	✓
HC39	Screening and management of albuminuric kidney disease with ACEi or ARBs, including targeted screening among people with diabetes	CVD (11)	Continuing	
HC40	Screening and management of diabetes among at-risk adults, including glycemic control, management of blood pressure and lipids, and consistent foot care	CVD (11)	Continuing	✓
HC41	Secondary prophylaxis with penicillin for rheumatic fever or established rheumatic heart disease	CVD (11)	Continuing	✓
HC42	Treatment of acute pharyngitis in children to prevent rheumatic fever	CVD (11)	Urgent	✓
HC43	Long term management of ischemic heart disease, stroke, and peripheral vascular disease with aspirin, beta blockers, ACEi, and statins (as indicated) to reduce risk of further events	CVD (11)	Continuing	✓
HC44	Medical management of heart failure with diuretics, beta-blockers, ACEi, and mineralocorticoid antagonists	CVD (11)	Continuing	✓
HC45	Opportunistic screening for hypertension for all adults and initiation of treatment among individuals with severe hypertension and/or multiple risk factors	CVD (11)	Continuing	
HC46	Tobacco cessation counseling and use of nicotine replacement therapy in certain circumstances	CVD (11) Cancer (12)	Continuing	
HC47	Essential palliative care and pain control measures, including oral immediate release morphine and medicines for associated symptoms	Cancer (12) Palliative care (20)	Continuing	✓
HC48	Interventions to support caregivers of patients with dementia	Mental health (13)	Continuing	
HC49	Management of bipolar disorder using generic mood-stabilizing medications and psychosocial treatment	Mental health (13)	Continuing	✓
HC50	Management of depression and anxiety disorders with psychological and generic antidepressant therapy	Mental health (13)	Continuing	✓
HC51	Management of epilepsy, including acute stabilization and long-term management with generic anti-epileptics	Mental health (13)	Continuing	✓
HC52	Management of schizophrenia using generic anti-psychotic medications and psychosocial treatment	Mental health (13)	Continuing	✓
HC53	Screening and brief intervention for alcohol use disorders	Mental health (13) Injury (16)	Non-urgent	
HC54	Exercise programs for upper extremity injuries and disorders	Musculoskeletal (14)	Continuing	
HC55	Calcium and vitamin D supplementation for primary prevention of osteoporosis in high-risk individuals	Musculoskeletal (14)	Continuing	
HC56	Targeted screening for congenital hearing loss in high-risk children, using otoacoustic emissions testing	Congenital disorders (15)	Non-urgent	
HC57	Dental extraction	Surgery (18)	Non-urgent	
HC58	Drainage of dental abscess	Surgery (18)	Non-urgent	
HC59	Drainage of superficial abscess	Surgery (18)	Urgent	✓
HC60	Management of non-displaced fractures	Surgery (18)	Urgent	
HC61	Resuscitation with basic life support measures	Surgery (18)	Urgent	✓

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
HC62	Suturing of lacerations	Surgery (18)	Urgent	
HC63	Treatment of caries	Surgery (18)	Non-urgent	
HC64	Basic management of musculoskeletal and neurological injuries and disorders, such as prescription of simple exercises and sling or cast provision	Rehabilitation (19)	Continuing	
HC65	Review of prosthetics, orthotics, and splints, with referral to hospital if indicated	Rehabilitation (19)	Continuing	
HC66	Psychosocial support and counseling services for individuals with serious, complex, or life-limiting health problems and their caregivers	Palliative care (20)	Continuing	
HC67	Expanded palliative care and pain control measures, including prevention and relief of all physical and psychological symptoms of suffering	Palliative care (20)	Continuing	
HC68	Health center pathology services	Pathology (21)	Non-urgent	
Totals				
	EUHC = 68			
	HPP = 31			
	Urgent = 19			
	Non-urgent = 16			
	Continuing = 33			

^a *Urgent* interventions, such as management of labor and delivery or appendectomy, are ideally available 24/7 close to where patients live. *Non-urgent* describes patients requiring non-urgent but substantial intervention – repair of cleft lips and palates is an example—that can be accumulated over space and time enabling the efficiencies of high volume in service delivery. *Continuing* care encompasses non-urgent interventions to address chronic conditions (for example secondary prevention of vascular disease or antiretroviral therapy for HIV+ individuals).

ACEi = angiotensin converting enzyme inhibitor; ADHD = attention deficit hyperactivity disorder; ARBs = angiotensin receptor blockers; ART = antiretroviral treatment; ARV = antiretroviral; BEmNOC = basic emergency newborn and obstetric care; COPD = chronic obstructive pulmonary disease; CVD = cardiovascular disease; DNA = deoxyribonucleic acid; FGM = female genital mutilation; HIV = human immunodeficiency virus; IMAI = integrated management of adolescent and adult illness; IMCI = integrated management of childhood illness; JEV = Japanese encephalitis virus; MSM = men who have sex with men; PLHIV = people living with HIV; PMTCT = prevention of mother-to-child transmission; PWID = people who inject drugs; STI = sexually transmitted infection; TB = tuberculosis; WHO = World Health Organization.

Note: DCP3 defines health center platforms as follows: The health center level captures two types of facility. The first is a higher-capacity health facility staffed by a physician or clinical officer and often a midwife to provide basic medical care, minor surgery, family planning and pregnancy services, and safe childbirth for uncomplicated deliveries. The second is a lower-capacity facility (for example, health clinics, pharmacies, dental offices, and so on) staffed primarily by a nurse or mid-level health care provider, providing services in less-resourced and often more remote settings.

Table 3C.4 Essential Universal Health Care: First-level hospital platform

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
FLH1	Detection and management of fetal growth restriction	Maternal and newborn health (1)	Non-urgent	
FLH2	Induction of labor post-term	Maternal and newborn health (1)	Urgent	✓
FLH3	Jaundice management with phototherapy	Maternal and newborn health (1)	Urgent	✓
FLH4	Management of eclampsia with magnesium sulfate, including initial stabilization at health centers	Maternal and newborn health (1)	Urgent	✓
FLH5	Management of maternal sepsis, including early detection at health centers	Maternal and newborn health (1)	Urgent	✓
FLH6	Management of newborn complications, neonatal meningitis, and other very serious infections requiring continuous supportive care (such as IV fluids and oxygen)	Maternal and newborn health (1)	Urgent	✓
FLH7	Management of preterm labor with corticosteroids, including early detection at health centers	Maternal and newborn health (1)	Urgent	✓
FLH8	Management of labor and delivery in high-risk women, including operative delivery (CEmNOC)	Maternal and newborn health (1) Surgery (18)	Urgent	✓
FLH9	Surgery for ectopic pregnancy	Maternal and newborn health (1) Surgery (18)	Urgent	✓
FLH10	Surgical termination of pregnancy by manual vacuum aspiration and dilation and curettage	Maternal and newborn health (1) Surgery (18)	Urgent	✓
FLH11	Full supportive care for severe childhood infections with danger signs	Child health (2)	Urgent	✓
FLH12	Management of severe acute malnutrition associated with serious infection	Child health (2)	Urgent	✓
FLH13	Early detection and treatment of early-stage cervical cancer	Reproductive health (5) HIV (6) Cancer (12)	Continuing	✓
FLH14	Insertion and removal of long-lasting contraceptives	Reproductive health (5) Surgery (18)	Non-urgent	✓
FLH15	Tubal ligation	Reproductive health (5) Surgery (18)	Non-urgent	✓
FLH16	Vasectomy	Reproductive health (5) Surgery (18)	Non-urgent	✓
FLH17	Referral of cases of treatment failure for drug susceptibility testing; enrollment of those with MDR-TB for treatment per WHO guidelines (either short or long regimen)	TB (7)	Continuing	✓
FLH18	Evaluation and management of fever in clinically unstable individuals using WHO IMAI guidelines, including empiric parenteral antimicrobials and antimalarials and resuscitative measures for septic shock	Adult febrile illness (8)	Urgent	✓
FLH19	Management of severe malaria, including early detection and provision of rectal artesunate in community settings followed by parenteral artesunate and full-course of ACT	Adult febrile illness (8)	Urgent	✓
FLH20	Management of acute coronary syndromes with aspirin, unfractionated heparin, and generic thrombolytics (when indicated)	CVD (11)	Urgent	
FLH21	Management of acute critical limb ischemia with unfractionated heparin and revascularization where available, with amputation as a last resort	CVD (11)	Urgent	

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
FLH22	Management of acute exacerbations of asthma and COPD using systemic steroids, inhaled beta-agonists, and, if indicated, oral antibiotics and oxygen therapy	CVD (11)	Urgent	
FLH23	Medical management of acute heart failure	CVD (11)	Urgent	✓
FLH24	Management of bowel obstruction	Cancer (12) Surgery (18)	Urgent	✓
FLH25	Calcium and vitamin D supplementation for secondary prevention of osteoporosis	Musculoskeletal (14)	Continuing	
FLH26	Combination therapy, including low-dose corticosteroids and generic disease-modifying antirheumatic drugs (including methotrexate), for individuals with moderate to severe rheumatoid arthritis	Musculoskeletal (14)	Continuing	✓
FLH27	In settings where sickle cell disease is a public health concern, universal newborn screening followed by standard prophylaxis against bacterial infections and malaria	Congenital disorders (15)	Non-urgent	✓
FLH28	In settings where specific single-gene disorders are a public health concern (for example, thalassemias), retrospective identification of carriers plus prospective (premarital) screening and counseling to reduce rates of conception	Congenital disorders (15)	Non-urgent	
FLH29	Universal newborn screening for congenital endocrine or metabolic disorders (for example, congenital hypothyroidism, phenylketonuria) that have high incidence rates and for which long-term treatment is feasible in limited resource settings	Congenital disorders (15)	Non-urgent	✓
FLH30	Management of intoxication/poisoning syndromes using widely available agents; e.g., activated charcoal, naloxone, bicarbonate, antivenin	Injury (16)	Urgent	
FLH31	Appendectomy	Surgery (18)	Urgent	✓
FLH32	Assisted vaginal delivery using vacuum extraction or forceps	Surgery (18)	Urgent	✓
FLH33	Burr hole to relieve acute elevated intracranial pressure	Surgery (18)	Urgent	
FLH34	Colostomy	Surgery (18)	Urgent	✓
FLH35	Escharotomy or fasciotomy	Surgery (18)	Urgent	
FLH36	Fracture reduction and placement of external fixator and use of traction for fractures	Surgery (18)	Urgent	✓
FLH37	Hernia repair including emergency surgery	Surgery (18)	Non-urgent	✓
FLH38	Hysterectomy for uterine rupture or intractable postpartum hemorrhage	Surgery (18)	Urgent	✓
FLH39	Irrigation and debridement of open fractures	Surgery (18)	Urgent	✓
FLH40	Management of osteomyelitis, including surgical debridement for refractory cases	Surgery (18)	Urgent	✓
FLH41	Management of septic arthritis	Surgery (18)	Urgent	✓
FLH42	Relief of urinary obstruction by catheterization or suprapubic cystostomy	Surgery (18)	Urgent	✓
FLH43	Removal of gallbladder, including emergency surgery	Surgery (18)	Non-urgent	
FLH44	Repair of perforations (for example, perforated peptic ulcer, typhoid ileal perforation)	Surgery (18)	Urgent	✓
FLH45	Resuscitation with advanced life support measures, including surgical airway	Surgery (18)	Urgent	✓
FLH46	Basic skin grafting	Surgery (18)	Non-urgent	
FLH47	Surgery for filarial hydrocele	Surgery (18)	Non-urgent	✓

Number	Intervention name	DCP3 package (Package number)	Time priority ^a	HPP
FLH48	Trauma laparotomy	Surgery (18)	Urgent	✓
FLH49	Trauma-related amputations	Surgery (18)	Urgent	✓
FLH50	Tube thoracostomy	Surgery (18)	Urgent	✓
FLH51	Assessment, provision, and training in the use of assistive products, including assistive devices for hearing	Rehabilitation (19)	Continuing	
FLH52	Compression therapy for amputations, burns, and vascular or lymphatic disorders	Rehabilitation (19)	Continuing	
FLH53	Evaluation and acute management of swallowing dysfunction	Rehabilitation (19)	Urgent	
FLH54	Fabrication, fitting, and training in the use of prosthetics, orthotics, and splints	Rehabilitation (19)	Continuing	
FLH55	Initial assessment, prescription, and provision of individualized interventions for musculoskeletal, cardiopulmonary, neurological, speech and communication, and cognitive deficits, including training in preparation for discharge	Rehabilitation (19)	Urgent	
FLH56	Mobilization activities following acute injury or illness	Rehabilitation (19)	Urgent	
FLH57	Prevention and relief of refractory suffering and acute pain related to surgery, serious injury, or other serious, complex, or life-limiting health problems	Palliative care (20)	Urgent	✓
FLH58	First-level hospital pathology services	Pathology (21)	Non-urgent	
Totals				
	EUHC = 58			
	HPP = 40			
	Urgent = 39			
	Non-urgent = 12			
	Continuing = 7			

^a *Urgent* interventions, such as management of labor and delivery or appendectomy, are ideally available 24/7 close to where patients live. *Non-urgent* describes patients requiring non-urgent but substantial intervention – repair of cleft lips and palates is an example—that can be accumulated over space and time enabling the efficiencies of high volume in service delivery. *Continuing* care encompasses non-urgent interventions to address chronic conditions (for example secondary prevention of vascular disease or antiretroviral therapy for HIV+ individuals).

ACT = artemisinin-based combination therapy; CEmNOC = comprehensive emergency newborn and obstetric care; COPD = chronic obstructive pulmonary disease; CVD = cardiovascular disease; HIV = human immunodeficiency virus; IMAI = integrated management of adolescent and adult illness; MDR-TB = multidrug-resistant tuberculosis; TB = tuberculosis; WHO = World Health Organization.

Note: DCP3 defines first-level hospital platforms as follows: A first-level hospital is a facility with the capacity to perform surgery and provide inpatient care. This platform also includes outpatient specialist care and routine pathology services that cannot be feasibly delivered at lower levels, such as newborn screening. DCP3 contends that a primary goal for all countries to achieve during the SDG era could be to ensure most patients have access to fully resourced, high-quality, first-level hospitals—a goal that, although aspirational, could be feasible in by 2030.

Table 3C.5 Essential Universal Health Care: Referral and specialty hospital platforms

Number	Intervention name	DCP3 packages (Package number)	Time priority ^a	HPP
RH1	Full supportive care for preterm newborns	Maternal and newborn health (1)	Urgent	
RH2	Specialized TB services, including management of MDR- and XDR-TB treatment failure and surgery for TB	TB (7)	Continuing	
RH3	Management of refractory febrile illness including etiologic diagnosis at reference microbiological laboratory	Adult febrile illness (8)	Urgent	✓
RH4	Management of acute ventilatory failure due to acute exacerbations of asthma and COPD; in COPD use of bilevel positive airway pressure preferred	CVD (11)	Urgent	
RH5	Retinopathy screening via telemedicine, followed by treatment using laser photocoagulation	CVD (11)	Continuing	
RH6	Use of percutaneous coronary intervention for acute myocardial infarction where resources permit	CVD (11)	Urgent	
RH7	Treatment of early stage breast cancer with appropriate multimodal approaches (including generic chemotherapy), with curative intent, for cases detected by clinical examination at health centers and first-level hospitals	Cancer (12)	Continuing	✓
RH8	Treatment of early stage colorectal cancer with appropriate multimodal approaches (including generic chemotherapy), with curative intent, for cases detected by clinical examination at health centers and first-level hospitals	Cancer (12)	Continuing	✓
RH9	Treatment of early-stage childhood cancers (such as Burkitt and Hodgkin lymphoma, acute lymphoblastic leukemia, retinoblastoma, and Wilms tumor) with curative intent in pediatric cancer units or hospitals	Cancer (12)	Continuing	✓
RH10	Elective surgical repair of common orthopedic injuries (for example, meniscal and ligamentous tears) in individuals with severe functional limitation	Musculoskeletal (14)	Non-urgent	✓
RH11	Urgent, definitive surgical management of orthopedic injuries (for example, by open reduction and internal fixation)	Musculoskeletal (14)	Urgent	✓
RH12	Repair of cleft lip and cleft palate	Congenital disorders (15) Surgery (18)	Non-urgent	✓
RH13	Repair of club foot	Congenital disorders (15) Surgery (18)	Non-urgent	
RH14	Cataract extraction and insertion of intraocular lens	Surgery (18)	Non-urgent	✓
RH15	Repair of anorectal malformations and Hirschsprung's disease	Surgery (18)	Non-urgent	
RH16	Repair of obstetric fistula	Surgery (18)	Non-urgent	✓
RH17	Insertion of shunt for hydrocephalus	Surgery (18)	Non-urgent	

Number	Intervention name	DCP3 packages (Package number)	Time priority ^a	HPP
RH18	Surgery for trachomatous trichiasis	Surgery (18)	Non-urgent	✓
RH19	Referral-level hospital pathology services	Pathology (21)	Non-urgent	
RH20	Specialty pathology services	Pathology (21)	Non-urgent	
Totals				
EUHC = 20				
HPP = 10				
Urgent = 5				
Non-urgent = 10				
Continuing = 5				

^a *Urgent* interventions, such as management of labor and delivery or appendectomy, are ideally available 24/7 close to where patients live. *Non-urgent* describes patients requiring non-urgent but substantial intervention – repair of cleft lips and palates is an example—that can be accumulated over space and time enabling the efficiencies of high volume in service delivery. *Continuing* care encompasses non-urgent interventions to address chronic conditions (for example secondary prevention of vascular disease or antiretroviral therapy for HIV+ individuals).

COPD = chronic obstructive pulmonary disease; CVD = cardiovascular disease; MDR-TB = multidrug-resistant tuberculosis; TB = tuberculosis; XDRTB = extensively drug-resistant tuberculosis.

Note: DCP3 defines referral and specialty hospital platforms as follows: This platform includes general specialists that provide secondary and tertiary services.