Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI3 (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
Universal assessment malnutrition	Complicated severe acute malnutrition	WFA 2-score x-3 (2-5m) OR MUAC <11.5m (6-5m) GR MUAC for age 2-scores-3 (5-14y) OR WFH 3-3 are (2-5m) GR MUAC for age 2-scores-3 (5-14y) OR MIGHE COMPLETED (2-5m) GR MIGHE CO	NA	Yes - urgent	Pre-referral:  I/VIM Ampicillin 200mg/Kg/day divided in 4 doses for 1 days [50mg/kg/dose four  I/VIM Generalmoin 7mg/Kg/day divided into 1 dose for 1 days [7mg/kg/dose daily  X rd]  (8f Amp & Gent not available) I/V Cehtrasone 50mg/kg/day divided into 1 dose for  1 days [50mg/kg/dose daily x td]  Prevent low blood suppr  If confirmed hypoglycaemia and unable to drink/feed. Destrose I/V bolus		Refer urgenity for inguishest management Keep the child warm Prevent low blood sugar		Anthropometric measurements: MUAC and WFH in line with IMC1. Weight for age -t-score (WAZ) added in line with IMC1 manania but restricted to children -2-bin since MUAC is not measured in children ander of children -2-bin since MUAC is not measured in children under 6 - "Complicated since prosence of any "IMC1 medical complicated". "Clinical since prosence of any "IMC1 medical complicated children since and complicated processes in ePoch, all other severe diagnoses are also included (suspected menings), severe malatic, complicated prolonged were, severe coops, suspected foreign body in alway).  Weight since a since and complicated prolonged dever, severe coops, suspected foreign body in alway).  Weight since a since and complicated prolonged since a since since the complication of the since and since	Adapted	IMCI 2014; IMCI TZ 2020; STGC 2018 p. 81	Clinical signs: found to be rare and inaccurate, missing approximately half or more of children with severe manufation (Harner, Kvatum, Jeffres, & Allen, 2004, Mogeni et al., 2011, Tan et al. 2020).
	Uncomplicated Severe acute malnutrition	WFA z-score s-3 (2-5m) OR MUAC <11.5cm (8-5m) OR MUAC for age z-scores-3 (5-14y) OR WFH-35-z-score (2-5m) NO complicated SAM criteria AND mother exports eating wall)	Complicated SAM	programme (for above 5v only if	PO Amoviciliin 50mg/Kg/day divided in 2 doses for 5 days [25mg/Kg/dose two offices and only in 50mg/Kg/day divided in 2 doses for 5 days [25mg/Kg/dose two flat and only in 50mg/Kg/dose two flat and only in 50mg		Feeding counselling (by age) Tuberculosis assessment assessment assessment assessment as the first properties of the first pro	Adapted	As above	Adapted	IMCI 2014	NA.
	Very low weight for age	WFA z-score ≤ -3 (age 6 - 10y)	Complicated / uncomplicated SAM	Yes - to nutrition programme	If tever and 2-59m: PO Amocicinis Stompkydday divided in 2 doses for 5 days [25mg/kyddose two times a day x.5] (if Amox not available) PO Co-timosazole 8mg TMPkg/day divided into 2 doses for 5 days (dosage based on TMP) [4mg/kg/dose two times a day x.5d]	NA .	Feeding counselling (by age) age) Refer to nearest nutrition/main-utrition program for mainutrition management. Guidance for oral antibiotic treatment at home.	Adapted	Very low weight for age (WFA) is included as a diagnosis to reflect children with WAZ < 3 but MUAC 211.5cm (those age 6.56 months with <11.5cm sAM). This aligns with MCI Tanzania, and Tanzania Standard Treatment Gadeline case delimition. White this potation has a lover from this most than children with MUAC <11.5cm, they still require untilitoral support (Mark Mark Mark Mark Actions, and the same of the same state of the s		IMCI 2014, IMCI TZ 2020	NA.
	Moderate malnutrition	WFA 2-score -2 to -3 (2-59m) OR MIJAC 11.5 - 12.5cm (6 - 59m) OR MIJAC for age 2-score -2 to -3 (5-14y) OR WFH 2-score -2 to -3 (2-59m)	Complicated / uncomplicated SAM	No	NA.	30/7 If feeding problem 7/7	Feeding counselling (by age) Assess the child's feeding No inpasient referral menedid: Return to clinic in 30 days for follow up in 100 feed in 100 days for follow up in 100 feed in 100 days for follow up in 100 feed in 10	Adapted	Anthropometric measurements - as above	Adapted	IMCI 2014, IMCI TZ 2020	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI3 (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
Universal assessment anaemia	- Severe anemia	Hb <5g/dt.  OR  Severe (pairmer OR conjunctival) pallor AND NO Hb  the measured in children with: Any pallor, Measured fever (not criteria for children - Syl), Jaundice, SAM, MAM, Very low VFA. Danger sign. Respiratory distress, daminosa -> 14 days, 149 (Fig. 1987).  worker discretion (i.e. proposed by health worker in ot by algorithm).	NA	Yes - urgent	NA.	NA	Refer urgenity for impatient management	Adapted	Contunctival pation: added to increase sensitivity of detection of anaemia and for research purposes and for research purposes. In the content of diagnoses in which anaemia more common, or would affect classification or management - mainturing (MUAC of 125 m. VFH and WFH 2-2000 e2), lever, juundee, known HIV or sickle cell disease, danger some content of the co	Adapted	STGC 2018 p. 114; WHO Haemoglobin concentrations for the diagnosis of assessment of severity 2011	Epidemiology:  - High global burden of anaemia (32.5%), with East / Southern Africa & children -5 having highest burden (indissection) et al., 2014. Highest let al 2016 (indissection) et al., 2014. Highest let al 2016 (indissection) et al., 2014. Highest let al 2016 (indissection) et al., 2016 (indissection) et al., 2016 (indissection) et al., 2016 (indissection) et al., 2017 (indissection) et al., 2017 (indissection) et al., 2016 (indissection) et al., 2017 (indissection)
	Mild/Moderate anemia	Hb 6 to <10g/dL (2 to 5m) or Hb 6 to <11g/dL (6 to 59m) or Hb 6-11.5 g/dL (6-11) or 6-11.9 g/dL (12- 14y) Some (palmar or conjunctival) pallor AND NO Hb	Severe anaemia	already on iron supplementation	IF not Sichle Cell Disease, and not currently taking RUTF: PO Iron 2mg/Ng/dby in 1 dose for 14 days [2mg/Ng/dbox daily x14d] If ages-12mth and not see in last fin months PO Mebendazole (prevention) (Age >=1yr) 500mg daily for 1 days	14 days	Mild/moderate anemia counseling No referral. Return for follow up in 14 days Consider outpatient referral if already on iron treatment for more than two month	Adapted	ldem	Adapted	idem	Do not withold iron supplement until end of febrile episode (Gera 2002)
Universal assessment danger signs & s fever	- Central Nervous System Danger Signs	Convulsing now OR Unconscious/Lethargic OR 22Convulsions in present illness 21 Convulsions in present illness AND (Age +12m or 38) OR Convulsion 215min OR HIV OR Severe maintaintion CR Madaria OR Fever ≥ 7 days OR NO Fever)	Severe mataria / Very severe febrile disease	Yes - urgent	Pre-referal: If convulsing now:	NA.	Prevent low blood sugar Refer urgenfly for impatient management	Adapted	Convolution criteria: Adapted to account for simple febrile convolutions (see rationale relitated to diagnosis below). Number and duration of convolutions only asked to those with helptoy of combusions in this lites and who are not unconscious, lethangic, and see 2 t2m or 46 of age. Detailed convolution unconscious, lethangic, and see 2 t2m or 46 of age. Detailed convolution convolutions only alked to those that do not meet other danger agro credital Unitable to directive the seed of the seed	Adapted	IMCI 2014, STGC 2018 p. 74	- Unconscious / Lethargic good predictions of severe disease (Azamburo et al., 2018; Corroy et al., 2015; More et al., 2011; Scott, Donoghue, Galeski, Marchese, & Mistry, 2014; van Nassau et al., 2016)
	Very severe febrile disease	Fever AND Age 12-599 NAID Stiff neck OR Design stign (Convulsing new OR Unconscious). Lethargic OR 22 Convulsions in present litness 21 Convulsion AND (America) or Convulsion AND (America) OR CONVULSION OR NAID STIFF OR Severe maintain OR OR Convulsion 2 from Convulsion AND (America) or Convulsion 2 from Convulsion AND (America) or Convulsion 2 from Convulsion AND (America) or Convulsion AND	Severe pneumonia	Yes - urgent	Pre-referral: If convulsing age-based fixed dose (2-6mth = 2.5mg / 6-12mth = 5mg / 13- PRE Diazegham gap-based fixed dose (2-6mth = 2.5mg / 6-12mth = 5mg / 13- PRE Diazegham gar age-based fixed fixe	NA .	Prevent low blood sugar Refer urgently for inpatient management	Adapted	Fever and any danger sign; in line with IMCI Stiff reads. Only checked in O danger sign present, and not checked in Oddien 1.4 Zonder as uncommon even presence of meningitis (rotes all volume 1.2 Zonder as uncommon even presence of meningitis to rote all volume 1.2 Zonder danger sign of the Control of the	Yes	STGC 2018 p. 74, IMCI 2014, IMCI TZ 2020	NA
	Very severe disease	Unable to drink of breastfeed AND NO Unconscious/flethangic AND NO Comvasting now AND NO server dehydration AND Failed or all find test?  "Orall fluid challenge: Provide water to drink and see if able to drink without vomiting (only performed in those not convulsing now, and not unconscious/flethinge). In certifluid challenge not possible at drink, ask mother about last feed drink.	CNS Danger signs, Severe malaria, Anaphylaxia, Severe complicated measles, Severe pensional Complicated SAM, Severe persistent diafriea, Severe dehydration, Very severe febrile disease	Yes - urgent	NA.	NA .	Prevent low blood sugar Keep the child warm. Refer urgently for inpatient management		NA.	YES	IMCI 2014, IMCI TZ 2020	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Simple febrile convulsion	Fever s7 days AND Single considsion <15 min AND Age ≥12m and <5 years AND NO diagner signs AND NO still fract AND NO HiV AND Malaria test negative or unknown	Suspicion of tuberculosis	No	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses x 3 days [10-20mg/kg/dose four times a day x 3-d]	Conditional	Simple febrile convulsion counselling No inpatient referral needed: Reasons to return to clinic	New	Inclusion of aimple febrible convulsion diagnosis: relatively common and being recordion, inclusion therefore reduces unrecessary referrals to find the property of the proper	Adapted	STGC 2018 p.132	History of convulsion in current illness is a moderate predictor of severe disease (Aramburo et al., 2015; Controy et al., 2015). Controy et al., 2015; Co
	Severe malaria	Malaria test positive Gl Danger signs OR AND GL Danger signs OR AND Convolutions Moveling present flates) OR Respiratory distress OR Severe anaemia (IMCI or the d-signil OR Jaundion Malaria test performed in: Fever OR Unconscious nethagis OR Convulsing now OR Convulsion in this filtess	NA	Yes - urgent	Pre-referral M Aresunate 2-4mg/kg/day divided into 1 dose for 1 days [2-4mg/kg/dose daily M Aresunate not available) IM Guinine (loading dose) 20 mg/kg/day in 1 dose to 1 days [20 mg/kg/dose daily x 1 dose]  IMIV Celtriasone 50mg/kg/day divided into 1 dose for 1 days [50mg/kg/dose days x 1 d)  aliang x 1 dose (10 Celt rail available) IMIV Arepciellis 20mg/kg/day divided into 4 doses for 1 days [50mg/kg/dose daily x 1 dose] (10 Celt rail available) IMIV Gertamorio 7mg/kg/day divided into 1 dose for 1 days [7mg/kg/dose daily x 1 dose] (PD Paracetamol 40-80 mg/kg/day divided into 4 doses x 1 days [10-20mg/kg/dose daily x 1 dose]	NA	Keep the child warm Prevent low blood sugar Refer urgently for inpatient management	Adapted	Severity criteria: danger signs as per IMCI 2014, and additional criteria from WHO / STG mataria guidelines which are feasible to assess in primary care, and good predictors of severe outcome - signs of respiratory distress, severe asserting, justiced eVHO, 2015; ZMOH2016; Syprimesks et al. 2017) mataries racks stiffness - note this is assessed and treated under suspected meningitis' above	YES	STGC 2018 p. 71, IMCl 2014, IMCl TZ 2020	NA.
	Suspected severe malaria	Fever AND Mains text unoxidate Mains text unoxidate GI Danger signs CO Honoracious/Lethargic OR Convulsions (NowIn present liness) OR Respiratory distress OR Severe anarenia (IMCI or Hb -6g/dL) OR Jaundice	NA NA	Yes - urgent	Pre-referral M Aresunate 2-4mg/kg/day divided into 1 dose for 1 days [2-4mg/kg/dose daily M Aresunate not available) IM Quinine 20 mg/Kg/day in 1 dose for 1 days [20 mg/Kg/dose daily x 1 dose] MMV Certinacone S0mg/kg/day divided into 1 dose for 1 days [50mg/kg/dose daily x 1 d) (If Ceft not available) IM/MV Arripicillin 200mg/Kg/day divided in 4 doses for 1 days [50mg/kg/dose but nime a day x 1 dose] PO Paracectamol 4-98 mg/Kg/day divided into 1 dose for 1 days [7mg/kg/dose daily x 1 dose] PO Paracectamol 4-98 mg/Kg/day divided into 4 doses x 2-5 days [10-20mg/kg/dose times a day x 2-5-d].	NA	Keep the child warm Refer urgently for inpatient management Prevent low blood sugar	New	idem	YES	idem	NA
	Uncomplicated malaria	Fever AND malaria test positive OR Additional test "Malaria" (not proposed by the alogrithm) positive	Severe malaria	No	PO Artemether-lumefantrine two times a day for 3 days (Flxed doses: Sloc-15kg = 2017:20mg / 15to-25kg = 40240mg / 25to-25kg = 60260mg / 53kg = 80260mg / 53kg =	Conditional	Ensure adequate fluid and calorie intake No inpatient referral needed: Reasons to return to clinic	Same	As per IMCI / STG guidelines / WHO malaria guidelines	YES	STGC 2018 p. 73, IMCI 2014, IMCI TZ 2020	NA.
	Malaria test non available	Fever AND malaria test not available	Severe suspected malaria, Severe malaria	Yes - to clinic with malaria test if possible to do in <2hrs AND no other severe diagnosis 'Consider OP referral if already received treatment	If unable to test elsewhere in <2hrs OR other severe diagnosis: PO Attenether-Immelantime two times a day for 3 days (Fixed doses: 50c-15kg = 20/200g) (150c-25kg = 40/200g) (250c-25kg = 40/200g) (250c-25kg = 40/200g) (250c-25kg = 40/200g) (250c-25kg = 40/200g) (16.4 Lnot available OR if persisting lever after completion of 1st line treatment) PO Ditydroatnethinin-preparagine days for 3 days (Doses: <25mg = 20-20mg)kg/dose / ~25kg = 16-27mg/kg/dose) PO Plaracetanted Abo Bry/Kg/day sided int 4 doses x ? duration [10-20mg/kg/dose four times a day x ? duration].	Conditional	If unable to test elsewhere in <2brs OR other sever diagnosis: Ensure adequate fluid and calorie intake No inpatient referral needed: Reasons to return to clinic If follow-up visit (consider referral) if some other calories of the consider referral in <2brs OR other severe diagnosis: Refer for malaria testing	New	Referral for malaria test in another clinic: If feasible within 2 hours, and no other severe diagnosis, in order to reduce inappropriate prescription of animalarisis	NEW		NA.
	Complicated prolonged fever	Fever ≥2 weeks  Fever >1 week AND severe commissify (SAM.  very low WFA, HV, sickle cell disease, cerebral pally, severe anaerria, congrintal heart disease)	NA	Yes - urgent	PO Ciprofloxacin 20-40mg/kg/day divided into 2 doses, 1 dose prereferral [10-20mg/kg/day x.7d] (if Cipro not available) PO Azithromycin 10mg/kg/day in 1 dose prereferral [10mg/kg/das laby x.7d] [10mg/kg/das laby x.7d] PO Paracetamol 40-80 mg/kg/day divided into 4 doses x.2-5 days[10-20mg/kg/dase four times a day x.2-5d]		Refer urgently for inpatient management Withold antibiotics before TB assessment if possible	New	Interior to relayable and insurrent of children with processed event." Agis a tools and a critical to prolotogist feven in two with MICL «Polotogist effective things with those who require immediate harber assessment / referral vs trial of artibiotic treatment (to cover bypoid effect, but in addition also covered in contrasting of the covered bypoid effect, but in addition also covered in contrasting of the covered bypoid effect, but in even or controlotify, or a fever countries of 22 weeks which and selective fever is present every day for more stam? Taylor, refer for assessment, but also states (yee an appropriate and processing effects) and the covered in source of referrod. Any child with diapper signs of other severe classification would be urgently referred, therefore this approach reduces potentially uncessary referred.	Adapted	IMCI 2014, IMCI TZ 2020	Coverage for several bacierial infections, notably enterior fever, occult urinary tract infections (UTI) and pneumonia. Oral ciprofloscien is one of the recommended treatments according the second of the control of t
	Prolonged Fever	Fever ≥7 days AND Fever <2 weeks AND NO severe comorbidity AND Malaria negative OR Unavailable	Complicated prolonged fever; FWS	If attended health facility in last 14/7 - consider referral	PO Ciprofloxacin 20-40mg/kg/day divided into 2 doses for 7 days [10- 20mg/kg/day x.7 d] (6 Cipro not available) PO Azithromycin 10mg/kg/day in 1 dose for 7 days (10mg/kg/dose daly x.7 d] (7 Cipro not 20 kg/day x.7 d) (7 Cipro not 20 kg/day x.7 d) (7 Cipro not 20 kg/day divided into 4 doses x.2-5 days[10- 20mg/kg/dose four times a day x.2-5 d]	Conditional	No inpatient referral needed: Reasons to return to clinic If followup visit: Consider referral	Same	See above	Adapted	IMCI 2014, IMCI TZ 2020	See above

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI? (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Suspicion of Tuberculosis	Cough 2 2weeks OR Fever 2 2weeks OR Significant heerophysis TB contact (I 2-56m) OR Fever OR Cough OR Difficulty breathing AND TB contact (I 5-5y) OR Significant weight loss (only asked in those >5y)	NA	Yes - TB services (if not available at facility)		NA	ivertions antisiones before TB assessment if possible Tuberculosis assessment at health facility Refer for specialized outpatient investigations: TB assessment	Adapted	Diagnostic criteria: Based on TZ / international guidelines. Include all diagnostic criteria proposed in TZ. Standard restment guideline except for fexcessive night sweats: and "infection not responding to conventional ambibotics" taken our adagnostic criteria for fear of misunderstanding and over-referral. "Significant weight loss" added upon suggestion by the Tanzarian expert committee.	Adapted	STGC 2018 p.50	- Children, especially infants and those under 2 years of age, have less symptoms but are at much higher risk of progression from infection to serious disease compared to older children over 10 years of age and adults (Beyers et al., 1997; B. J. Marsia et al., 2004).  - The risk of progression to disease is high in young children had are exposed to household members with TB (van Zyl et al., 2006).  - Pulmonary Tuberculosis is a common cause of hemophysis (Simon et al, 2017)
	Fever without source	Fever NO cough AND ND Difficulty treathing AND NO Runny nose AND NO Difficulty treathing AND NO Runny nose AND NO distribes AND NO presspoial or orbital cellulisis, AND NO abscess, AND NO desilisis, AND NO chickerpox, AND NO mainter, AND NO cert pain or discharge, AND NO dental abscess, AND NO so enhance or neck mass, AND NO localized joint or bory ass, AND NO localized joint or bory ass, AND NO beath of the company urine (2y-15y), AND NO pelvo (assess) AND Malaria test negative	Other infectious departments of the control of the	iF unerplained bleeding - urgent referral, otherwise No.	PO Paracelamol 40-80 mg/Kg/day divided into 4 doses x 2-5 days [10- 20mg/kg/dose four times a day x 2-5d]	Conditional	Ensure adequate fluid and calory intake. If no unepularied baseding, and a baseding and baseding. No inpalatent referral needed: Reasons to return to clinic. If unepularied bleeding: Refer urgenity for impalatent management	Adapted	IMCI only proposes antibiotics in children for which a bacterial source is identified.	YES	IMCI 2014, IMCI 12 2020, TZ Std Med Lab Equipment Guidelines 2018	. NA
Universal assessment respiratory problem	Severe pneumonia	Cough OR difficulty breathing AND 11m abolimin, 12-59m abolimin, 51-37 slot production, 12-59m abolimin, 12	NA .		Pre-referral:  IMIV Ampicillin HD 400mg/Kg/day divided in 4 doses, 1 dose prereferral  (IMOW Ampicillin HD 400mg/Kg/day divided into 1 dose prereferral [7mg/kg/dose daly x 1d]  (if Amp & Gent not evaluable) [MIV Cetrissone 50mg/kg/day divided into 1 dose, 1 dose prereferral [2mg/kg/dose dally x 1 d]  Oxygen therapy if \$pQ2 < 20%  Prevent low blood sugar  Feven: PD Pasacetamol 40-90mg/kg/day divided into 4 doses, 1 dose prereferral [10-20mg/kg/dose four times a day x 1 d]  If wheeze: bronchodilator pre-referral / on way	NA .	Refer urgently for inpatient management	Adapted	Tanzania Standard Treatment Guidelines: All criteria except for lower chest indrawing allone was included as criteria for dispressis. The omission of lower chest indrawing allone was done to aline with IMIC 2014. In the DVNAMIC study, registratory rate 10 backen the IMIC Rick call of and chest indrawing or unable to complete sentence, added as found useful in the aFOCT 2014 study when using responsive pase percentiles (feedled et al. 2019). Combraing chest indrawing with very last freatment was used to increase specificity (IMICCAUM et al. 2017). Williams et al. 2019 calls was "unable to complete sentence" in children above 5 years.  MRECL Cough / difficulty breathing with danger sign or SpO2 <90% as per IMIC.	Adapted	IMCI 2014, IMCI TZ 2020, STGC 2018 p.43	Additional predictions: Cruming and hyponemia < 20% SaCO, are well established predictions for severe presented and severe outcome (among children with severe presented) maintained in ePOCT- and also included in the Tarcanian national guidelines (Benet et al., 2017; Brailey et al., 2011; Harder et al., 2011; Harder-Almaus, Almaus, Geretino, & D.Cherennot. 2015; World Health Organization. 2015a. Deer. 2016; Muro, 2020). "Severe difficult treathing" was included as proposed by the British Thoracis Costly (Hartis et al., 2017). This is to improve esensibility by allowing clinicians to use their instaltion, officer lound to be better than individual predictors (Blackobck, Mayer-Wille, Costl. & Thorageou, 2011; Mertinot et al. 2019; van en Broud-Boudock (September Wille, Costl. & Thorageou, 2011; Mertinot et al. 2019; van en Broud-Cyanosia are included in the description of the composite variable of "Severe difficult breathing crediting referral fast outural to be good precisions of analogue (premiors), hypomenia and of severe outcome (Rambaust-Althaus, Althaus, Genton, & D'Acremont, 2015; Chandna, 2021; Shat, 2017; Kut; 2013)
	Bacterial Pneumonia	Cough CR Difficulty breathing AMO Chest indrawing OR (Fast breathing* AMO (Severe conorbidity** OR Fever***))  "Fast breathing RR 2-11m SD/min, 12-59m Sd/min, 5-12y S3D/min, 13-14y 22D/min Severe comorbidity; SAM, very low WFA. HIV, sickle cell disease, cerebrair piety, severe ****Fever: history of fever OR adillary temperature 37.5°C	Severe pneumonia	Yes - if no improvement (persisting fast breathing or chest indrawing if HIV positive or age 2-12m despite 3 days of ambotic treatment)	PO Amoutcillin HD 75-100mg/Kgidsy divided in 2 doses for 5 days [37.5-50mg/Kg)dose two times a day x 5d] (If Amort not available P) PO C-timovazole Bing/kg/day (dosing based on TMP) two times a day for 5 days [4mg/kg/dose daily x 5d] PO Paracelatinal 450mg/Kg/dg/ divided into 4 doses x 2-5 days [10-20mg/kg/dose four times a day x 2-5d] if fever	Conditional	Adequate fluid & calorie intake.  Courselling to prevent the ginesic of respiratory illness.  URT1 symptomatic care  Cardiana for real cardiana control to chic immediately.  Cuidana for oral artibiotic treatment at home.	Adapted	Faver criteria: IMCI defines pneumonia as cough or difficulty breathing, with chest indrawing or test treaslined; regardless of tever (present or absent), As atteited pneumonia is uncommon in immunocompent children and bound to be highly sensitive for the diagnosis of pneumonia (Rambaus-Haiwa, 2015; Matthews, 2009), flever was excluded as an absolute criteria for factorist in Common Common (Common Common	Adapted	STGC 2018 p. 43, IMCI 2014, IMCI TZ 2020, IMAI 2009	Tachypnea and other clinical signs have been found to be poor predictors of bacterial or readological princursonia (McIntosh, 2012; Rambaud-Althaus et al., 2015; Shah, Bachur, Simel, & Neuman, 2017; Rese, 3020).
	Viral Pneumonia	Cough OR difficulty breathing AND No Danger sign AND	Bacterial pneumonia Severe pneumonia	No	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses x 2-5 days [10- 20mg/kg/dose lour times a day x 2-5d] (If febrile)	Conditional	URTI symptomatic care advice Adequate fluid & calorie intake Advice on why not to give antibiotics. Reasons to return to clinic immediately Counselling to prevent the spread of respiratory illness.	Adapted	As above	Adapted	STGC 2018 p. 43, IMCI 2014, IMCI TZ 2020, IMAI 2009	NA

						Follow-up		Difference with	Modifications in respect to T7 quidalines: Standard Treatment	In line with Tanzania		
Complaint	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	(always includes reasons to return to clinic)	Management	ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	and/or IMCI? (YES, Adpated	TZ or IMCI/IMAI Guidelines	Additional references
	Common cold (URTI)	Cough OR difficulty breathing OR Runny nose	Severe pneumonia / Bacterial/Viral pneumonia / Severe and non-severe messies/ Inhalation injury / Complicated chicken pox / Uncomplicated chicken pox / Uncomplicated chic	No	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses x 2-5 days [10-20mg/kg/dose bur times a day x 2-5d] (f febrile)	Conditional	URTI Symptomatic care Ensure adequate fluid and calorie intrake No inpatient referral needed: Reasons to return to clime. Explain why oral antibiotics are not useful for this patient Counselling to prevent the spread of respiratory illness.	Same	In line with Tanzania STG.	Yes	STGC 2018 p. 46 and 60	NA .
	Reactive Airway Disease	Age 3 1 year AND Cough OR Difficulty breathing AND Chest indrawing OR fast breathing (RR 2-11m 250min, 12-59m 240min, 13-14y 220min, 13-14y 220min) Wheezing AND NO respiratory distress AND Improvement with trial of bronchodiators	NA	Yes - Consider outpatient assessment if recurrent episodes	INH Salbutamol 200mcg four times a day for 14 days (if Salbutamol 200mcg four times a day for 14 days is day for 14 days	Conditional	Advice on inhaler use Adequate fluid & calorie Intake Advice on why not to give antibiotics No inpatient referral needed: Reasons to return to clinic Consider outpatient referral for asthma assessment if recurrent asthma.	Adapted	In line with STG guidelines for bronchial asthma, limiting to non-severe symptoms (severe symptoms captured within severe pneumonia). Management of severality similar to that describes in MeC.	YES	STGA 2018 p.99, STGC 2018 p.63, IMCI 2014, IMCI TZ 2020	NA.
	Suspicion of foreign object in airways	Cough or Difficult breathing AND Fast breathing OR Chest indrawing Wheezing or Stridor AND Possibility of foreign object in airways	NA	Yes - urgent	NA	NA	Refer urgently for inpatient management.	New	To simplify algorithm only use possibility of inhalation of foreign object in children with difficulty breathing.	Yes	STGC 2018 p. 249	NA.
	Significant hemoptysis	Cough OR Difficulty breathing AND Significant haemoptysis (> 1 episode)	NA	Yes - for investigation	NA		Referral for specialized outpatient investigations	New	Added this algorithm, based on recommendation by TZ expert panel.	Adapted	STGC 2018 p.43	NA
Gastrointes inal / abdominal (diarrhoea / dehydration in universal assessment	Severe Dehydration	23 looseliquid stools in 24 hrs OR Vornting OR Vornting everything OR Unable to drink or breastleed.  Two of the following signs: Lethargic or unconscious - Sunken eyes - Sharping or unconscious - Sharping or unconscious/etharping or unconscious/etharping). If oral fluid challenge on unconscious/etharping, if oral fluid challenge or unconscious/etharping). If oral fluid challenge or unconscious/etharping, if oral fluid challenge or unconscious/etharping). If oral fluid challenge or unconscious/etharping, if oral fluid challenge or unconscious/etharping).	NA	Yes-urgent IF other danger sign of mability to per Visual inmediately	IF other severe classification: pre-referral / en route fluid management (ORS if able to tolerate ora)  IF no other severe classification: WHO rehydration plan C  IF improves with Plan C -> Plan B and then A, including If diarrhoea: PO  Zinc Sulfate 10mg daily for 10 days		Switch oral antibiotics or antimaterials to IM antibiotics or antimaterials.	Adapted	Onal fluid challenge proposed to wide subset to distinguish between severe and some dehydration, as this will distinguish those that need to be referred, and finder that can be treated at home.	YES	STGC p. 53, IMCI 2014, IMCI TZ 2020	Adjustation of WHO Dehydration scale: Liboratory tests, urine analysis, ultrasound, or solated clinical findings are not reliable for detecting dehydration in the geolatric population (Freedman, Nudermer, Mine, & Hailing, 2015, Seiser, David &, Beyerier, 2004), combination of clinical features are used in several scales such as the WHO Scale, the Good contains of the Contain of the Contain Contains of the several scales and the China Chaptarian in childhood gastroeneints. Novewer note of freels exclude provide accurate statesament of the critical contains of the contacted among patients with gastroeneitis in the inspatient setting (Falszewska, Szüleyeska, & Dizelncharz, 2018, Buuregui et al., 2014, Pringle et al., 2011). To help distinguish some versus be done at home or needs to be performed in the health facility, among this low pre-test to be done at home or needs to be performed in the health facility, among this low pre-test accord care afterplation therapy (RRI) (Timane et al., 2018), RRI is as effective as IVF for mild to moderately dehydrated children (Spandorder et al., 2005).
	Some Dehydration	23 looselliquid stools in 24 hrs OR Vornting OR Vornting everything OR Unable to drink or breastled  Vornting everything OR Unable to drink or breastled  Two of the following signs:  - Realises, irritable  - Surken eyes  - Skin prich goes back slowly (1-2a)  **Oral fluid test: Provide water to drink and see if all belse to drink without oversiting (only performed in those not convolving row, and not belse to drink without oversiting flow, and not possible at clinic, ask mother about last feeddrink.	Severe dehydration; severe penistent darrhoea	No	It child referred for another reason. ORS on way to hospital if child not referred for another reason. WHO selydration Plan B in clinic If improves with Plan B: Plan A - ORS Home rehydration Plan B in clinic IF darrhoea: PO Zinc Suttate 10mg daily for 10 days.	Conditional	Ensure adequate fluid and calorie imake No inpatient referral needed: Reasons to ireturn to clinic	Adapted	As above	YES	STGC p. 53. IMCI 2014. IMCI TZ 2020	As above
	Severe persistent diarrhoea	≥ 3 loose / liquid stools in 24 hrs AND Diarrhoea duration ≥14 days AND Drinks eagrerly, thirsty	Severe dehydration	Yes		NA	Refer for inpatient management	New	In line with IMCI 2014 and IMCI TZ 2020	Yes	IMCI 2014, IMCI TZ 2020	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to T2 guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI: (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Persistent diarrhea	≥ 3 looselliquid stools in 24 hrs AND Diarrhores duratio ≥14 days NO Unconscious/Lethangic OR Restless/irritable	Severe dehydration; severe persistent diarrhoea	Yes - if no improvement after 5 days of zinc and feeding counselling, or if HIV+	PO Zinc sulfate 10mg daily for 10 days  If no Vitamin A in the past month, or already on Read To Use Therapeutic Flood: PO Vitamin A daily for 1 days (fixed dose per age: 6-12mth = 100,000IU / 5-1/9 = 200,000IU / Plan A - ORS Home rehydration	7 Conditional	Feeding counselling (age based)  Espain why oral armshibidics are not useful for this pastent referral needed: Reasons to return to clinic in Follows in the control of the	New	In line with STGC (limited work-up acceptable for primary care health tacilities) and IMCI, however use of low dose Zinc.	Adapted	STGC p. 58, IMCI 2014, IMCI TZ 2020	- Use of low dose Zinc (Ohingra et al. NE.M., 2020)
	Acute diarrhea	≥ 3 loose / liquid stools in 24 hrs AND Diarrhose duration <14 days AND NO Unconscious Letharge OR Restless/Irritable	Severe dehydration;some dehydration; dysentery	No	PO Zinc sulfate 10mg daily for 10 days Plan A - ORS Home rehydration	Conditional	Ensure adequate fluid and calorie intake Explain why oral antibiotics are not useful for this patient No inpatient referral needed: Reasons to return to clinic	Same	In line with STGC (limited work-up acceptable for primary care health facilities) and IMCI, however use of low dose Zinc.	Adapted	STGC p. 58, IMCI 2014, IMCI TZ 2020	- Use of low dose Zinc (Dhingra et al. NE.M., 2020)
	Persisting dysentery	Loose or liquid stools AND follow-up consultation AND Return visit for dysentery after 3 days of treatment with ciprofloxacin AND Symptoms worse or the same: Number of stools, amount of blood in stools, fever, abdominal pain or eating	NA	Yes - if no improvement after 3 days or HIV+, age <12 months, has severe malnutrition, or measles.	PO Azithromych 10mg/kg/day in 1 dose for 5 days [10mg/kg/dose daily x 5d] 16-Zmth: PO Zinc sulfate 10mg daily for 10 days Plan A - ORS Home rehydration	Conditional	IF severe acute malnutrition, measles rash, HIV or 2-12mth: Refer urgently for inpatient management No inpatient referral needed: Reasons to return to clinic	Adapted	In line with IMCI 2014 for follow-up management, except does not integrate status of dehydration from first visit.	Adapted	STGC p. 60, IMCI 2014, IMCI TZ 2020	
	Dysentery	Loose or liquid stools AND Blood in stool	Persisting dysentery / Severe abdominal condition	No	>5: If fever OR Known HIV OR Age 2-59m OR >5y AND MUAC for age z-score < 3: PO Ciprofloxacin 20-40mg/kg/day divided into 2 doses for 5 days (Po 2mc sulfase 10mg daily for 10 days	Conditional	No inpatient referral needed: Reasons to return to clinic Guidance for oral antibiotic treatment at home	Same	In line with IMCl 2014 and IMCl TZ 2020, however selective antibiotic treatment in children above 5 years, and use of low dose Zirc.	Adapted	STGC p. 60, IMCI 2014, IMCI TZ 2020	- Use of low dose Zinc (Dhingra et al. NE.M. 2020) - Need for antibiotic stewardship in children above 5 years given increasing antibiotic resistance (Raphar et al., 2019) based no population with highest risk factors for mortality. HIV infection, mainutrition, and young age (Tickell et al., 2017).
	Severe Abdominal Condition	Vomiting OR Blood in stool OR Abdominal pain Suspicion of severe Of bleeding OR Billious vomiting OR Abdominal hernia obstructed / incarcerated (rescuble) & coloured if render) OR (-2yrs) Severe abdominal palpiation	NA		Pre-referral IF Feur:		Refer urgenity for inpatient management	New	Combining many signs of severe gastro-intestinal conditions including appendicinis, intestinal dostruction, and intrassusception. Equivalent to Severe or Surgical abdominal problem in MAI 2009	. Adapted	STGC p. 233, IMAI 2009 p. 25	Endominionz.  In sub-Sidentam Africa, pediatric surgery patients are responsible for 6-12% of all pediatric admissions (Bickler et al., VHVO 2002).  Billious yernifling: "Billious vernifling" suggests a post-ampullary source linked to a possible bowel dostructors (Singlis, Shish, Barrasi, & Jaystahner, 2015), in one coher of children, billious bowel dostructors (Singlis, Shish, Barrasi, & Jaystahner, 2015), in one coher of children, billious bowel dostructors (Singlis, Shish, Barrasi, & Jaystahner, 2015), in one coher of children, billious descriptions (Singlis, Shish, Barrasi, & Jaystahner, 2015), in one coher of children in the successory of the coheron of the successory of the success
	Non-Severe Abdominal Condition	Vomiting OR <3 looseliliquid stroots / 24 hrs OR Abdomnal pain OR Constigation (less frequent and hald short)	Severe abdominal condition / severe or some dehydration / acute diarrhea / acute diarrhea / CNS Danger signs / Dysmeomrhea / Persisting dysentery	No	IF abdominal pain: PO Paracetamol 40-80 mg/Kg/day divided into 4 doses x 2 5 days [10-20mg/kg/dose four times a day x 2-5d].  PLAN A: ORS Home rehydration	Conditional	If abdominal pain: Feeding counselling (age based). If Gritting yeldence on colic If Constigution consuselling If constigution of the Feeding counselling If constigution The constigution fluid and calorie intake. No inpainter referral needed: Reasons to tretum to clinic Explain why oral antibiotics are not useful for this patient	New	Categorizing non-severe gastrointestinal conditions that are not characterized by acute diarrhea, dysentery, severe abdorninal condition, dehydration, or problem in MAI 2003. This diagnosis allows the opportunity to provide guidance on feeding and why antibiotics are not necessary.	Adapted	IMAI 2009 p. 27	see ref. for severe abdominal candition

										In line with		
						Follow-up		Difference with	Modifications in respect to TZ guidelines: Standard Treatment	Tanzania guideline		
category	DIAGNOSIS	ePOCT+ DYN TZ Algo		Referral	TREATMENTS	(always includes reasons to return	Management	ePOCT 2014 algorithm (New,	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 ( TZ IMCI 2020), or IMAI 2009	and/or IMCI	7Z or IMCI/IMAI Guidelines	Additional references
						to clinic)		Adapted, Same)		Adpated (from TZ		
	Oxyuriasis	Age 1 - 14 years AAID Anal liching OR worms in stool	NA	No	It >> 12mth:  R >>	Conditional	No inpatient referral needed: Reasons to return to clinic	New	Added. Not in IMCI or Tanzanian guidelines	NEW		Epidemiology:  Worm infections including coyurlasis are important global health conditions in both high- and LMIC, affecting growth and cognitive development (Weatherhead et al., 2015). More than one billion people are infected with primorm globally (Wend et al. 2019) with up to 28% of infected whiteine plobally (Behony et al., 2005). <u>Dispositions and treatments</u> — Treatment Choice and diagnosis (Leder K & Weller P. 2020)  — Treatment Choice and diagnosis (Leder K & Weller P. 2020)  (Wend et al., 2015).
	Loss of appetite	Eating a lot less than usual (<5 years)	All other GI diagnoses, all infections	No	NA .	Conditional	Feeding counselling  No inpatient referral needed: Reasons to return to clinic	New	Added. Not in IMCI or Tanzanian guidelines	NEW		- Frequent chief complaint in ePOCT study (Keitel et al. 2017)
Universal Assessment : Diagnoses from additional tests not proposed by algorithm	Intestinal parasitic infection: Nematode	Additional test not proposed by algorithm AND Stool microscopy: Ova	NA	No	H =>12mth: PO Mebendazole (prevention) (Age >=1yr) 500mg daily for 1 days (if Mebendazole not available) PO Abendazole (prevention) (age >=2yr) 400mg daily for 1 days	Conditional	No inpatient referral needed: Reasons to return to clinic	New	In line with STGC	Same	STGC p. 66	NA.
	Intestinal parasitic infection: Protozoa	Additional test not proposed by algorithm AND Stool microscopy: Trophozoites / Cysts	NA NA	No	PO Metronidazole 20mg/kg/day divided into 2 doses for 7 days [10mg/kg/dose two times a day x 7d]	Conditional	No inpatient referral needed: Reasons to return to clinic	New	In line with STGC	Same	STGC p.65	NA .
	Typhoid Fever	Additional test not proposed by algorithm AND Widal test; positive	NA	No	PO Ciprofloxacin 20-40mg/kg/day divided into 2 doses for 10 days [10- 20mg/kg/day x 10d] (Cipro not available) PO Azithromycin 10mg/kg/day in 1 dose for 7 days [10mg/kg/day in 1 dose for 7 days [10mg/kg/dase daily x 7d] Paracestamol 40-80 mg/kg/day divided into 4 doses x 2-5 days [10- 20mg/kg/dase but times a day x 2-5d] if feret	Conditional	No inpatient referral needed: Reasons to return to clinic Guidance for oral antibiotic treatment at home	New	In line with STGC	Same	STGC p. 77	Widdl test not proposed by ePCCT+  - Widal test not proposed within ePCCT+ algorithms other than clinician initiated tests given the low sensitivity and specificity of the test (Mawazo et al., 2019; Andualem et al. 2014; Mengist et al. 2017)
	Hyperglycemia	Additional test not proposed by algorithm AND Glucose test 2.7 mmol/l AND Fasting OR Glucose test 2.11.1 mmol/l	NA	Outpatient consultation for diabetes	NA .	No	Outpatient referral: Diabetes clinic	New	Adapted fissting blood glucose threshold from STGC at 6.1 mmol/L to 27 mmol/L as proposed by the WHO (Definition and Diagnosis of Diabetes Mellius and intermediate hyperglycenein; 2008), and the international Diabetes Federation - International Society of Pediatric and Adolecent Diabetes (Pocketook for management of diabetes in childhood and adolecence in under-resourced countries, 1st edition, 2017)	Adapted	STGC p.139	Threshold for disposition of dishetes:  - WHYO, Definition and Disposition of Dishetes Melitius and intermediate hyperglycaemia, 2006  - UPF and ISPAD, Obselbook for management of dishetes in childhood and adolecence in under-resourced countries, 1st edition, 2017
	Hypoglycemia	Additional test not proposed by algorithm AND SHOP AND Glucose test < 2.5 mmol/L (or <3 mmol/l if SAM or VLW FA: MUAC <11.5cm or WFA or WFH 2-score <-3 or MUAC for age 2-score <-3)	Complicated SAM, CNS Danger signs/ Very severe febrile disease	Yes - urgent	If unable to drink/feed, or vomiting everything: Destrose IV bolus	No	Refer urgently for inpatient management.	New	In line with STGC	Same	STGC p. 14	hypophycemia a good predictor of severe disease:     -White hypoglycemia was identified as a good predictor of severe disease, this was in children with advanced disease often at higher level care or among hospitalized children (Chandna et al. 2021), the predictive value at the primary care level is not clear.
Urine / Genital	Persisting pyelonephritis	Age ≥24 months AND Pain or difficulty passing urine AND (Fever or Costovertebral tenderness (if ≥10 years)) AND Follow-up consultation AND Completed three day antibilotic treatment for urinary tract infection or pyelonephritis	NA .	Yes	NA.	No	Continue treatment and medication prescription as previously prescribed Refer for inpatient management	New	Added referral in case there is no improvement after three days of antibiotic treatment following proposal from Tanzanian expert panel.	Addition	STGC 2018 p. 204	NA.
	Pyelonephritis/Febr ile urinary tract infection	Age ≥24 months AhD Pain or difficulty passing urine AND (Fever or Costovertebral tenderness (if ≥10 years)) AND Pathological urinalysis OR Urine not available OR Additional test not proposed by algorithm AND Urinary analysis Pathologic AND Fever	Persisting pyelonephritis	IF not able to eat / drink - urgent referral	PO Ciprofloxacin 20-40mg/kg/day divided into 2 doses for 10 days [10-20mg/kg/day x 10d] (If Cipro not available) PO Co-Annoxicillin/Clavulanic acid 80-100mg/kg/day divided into 2 doses for 10 days [40-50mg/kg/date him times a day x 10d]	Conditional	Reasons to return to clinic immediately.  Guidance for oral antibiotic treatment at home.	New	Distinction between lower UTI and pyelonephilisi, modification in antibiotic treatment due resistance to amoscillo in ulriary tract infection pathogens, maintained ciprofloacine from STGC. Minimal age threshold of 24 months to identify UTI or pyelonephilits via urinary symptoms (dysuria).	Adapted	STGC 2018 p. 204	-TZ STG accommends annoul-lin or ciproflosacin for lebola UTI, Annoul-lin shows increasing resistance against UTI localises (Salu et al., 2015, Leung et al., 2015). Therefore, ciproflosacin has been chosen as 1st fine.  -Annoul-line and state of the statement (Monthini et al., 2007)  -Identification of UTI Or pylonophritis based on symptoms of dysuris starting at age 2 years (Hisazba et al., 2006).
	Lower urinary tract infection	Age 22 Innones AMD Pain or difficulty passing urine AND (NO Fever or Costovertebral tendemess (c10 years)) AMD No pentlervagnal disk of (nesked in boyast 12 years) AND Pathological urinalysis OR Urine not available OR Additional test not proposed by algorithm AND Urinary analysis Pathologic AND NO Fever	Pyelonephritis	No	PO Co-trimouscide Brig TMB/big/day divided into 2 dones for 3 days (dosage based or TMBP) (enephgydose two times a days x 2d) (if Co-trimouscide or available) PD Amorolism 50mg/Kg/day divided in 2 doses for 85 days [25mg/Kg/dose two times a day x 5d]	Conditional	No inpatient referral needed: Reasons to return to clinic. Guidance for oral antibiotic treatment at home.	New	Distinction between lower UTI and pyelonephritis. Minimal age threshold of 24 months to identify UTI or pyelonephritis via urinary symptoms (dysuria).	Adapted	STGC 2018 p. 204	Lower UTI (cystis) can be safely treated with a shorter course and a less broad spectrum setbook compared to upper UTI Tultus et al., 2020) Heartification of UTI or pyelonephrisis based on symptoms of dysuria starting at age 2 years (Rasada et al. 2005)
	Dysmenorrhea	Female sex AND Age ≥8y AND Menarche AND Menstruating Now AND Very painful menstruation	Pelvic Inflammatory Disease	No	lbuprofen PO 30mg/kg/ day divided into 3 doses as long as pain, max 3 days	Conditional	No inpatient referral needed: Reasons to return to clinic.	New	NA .	Same	STGA 2018 P. 145	NA NA
	Suspicion of pregnancy	Female sex AND Age ≥12y AND History of sexual contact AND Menarche AND Suspicion of pregnancy AND Pregnancy test Positive	NA	Yes (outpatient antenatal follow- up)	NA .	NA	Pregnancy counselling Refer or advise to seek obstetric clinic.	New	NA.	Same	IMAI 2009 p.43	NA.
	Negative pregnancy test	Female sex AND Age ≥12y AND History of sexual contact AND Menarche AND Suspicion of pregnancy AND Pregnancy test Negative	NA	No	NA.	Conditional	Safe sex counselling  If unprotected sex within 2 weeks, consider repeating pregnancy test in 2 weeks.	<sup>2</sup> New	NA.	Same	IMAI 2009 p.43	NA.

										In line with		
						Follow-up		Difference with		Tanzania		
Complaint	DIAGNOSIS	ePOCT+ DYN TZ Algo		Referral	TREATMENTS	(always includes reasons to return	Management	Difference with ePOCT 2014	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	guideline and/or IMCI?	TZ or IMCI/IMAI	Additional references
category						to clinic)		algorithm (New, Adapted, Same)	2018 (STGC 2018), or IMCI 2014 ( TZ IMCI 2020), or IMAI 2009	(YES, Adpated	Guidennes	
										(from TZ		
		Male sex AND					Balanitis symptomatic care					
	Balanitis	Penile redness / swelling OR Genital irritation /	NA.	No	Balanitis symptomatic care	Conditional	No inpatient referral	New	Added. Not in IMCI or Tanzanian guidelines	NEW		Common but benign conditions with a prevalence up to 20% and can be treated symptomatically by gentle cleaning and hygiene counseling (Perkins et al., 2020) Other references (The Royal Children's Hospital, 2018; Tews & Singer, 2020)
		pain AND					needed: Reasons to		-			Other references (The Royal Children's Hospital, 2018; Tews & Singer, 2020)
		Penile redness / swelling on examination					return to clinic					
							Guidance for oral antibiotic treatment at					
		Female sex AND Age ≥12y AND History of sexual			IM Ceftriaxone 500mg/dose ; single dose PO Doxycycline 200mg/day divided into 2 doses x 14 days		home.					PID is a clinical diagnosis and patients can commonly be managed as outpatients, with the goal
	Pelvic	contact AND	NA	Yes (if febrile)	PO Doxycycline 200mg/day divided into 2 doses x 14 days PO Metronidazole 800mg/day divided into 2 doses x 14 days		If fever: refer urgently for	M	Ceftriaxone only for one dose, for outpatient treatment, prolonged treatment if		STGC 2018 p. 302,	to prevent or reduce risk of subsequent infertility, pelvic scarring, chronic pain or ectopic pregnancy (Bugg et al., 2016). Treatment recommendation include i.m. cephalosporin,
	Inflammatory Disease	Lower abdominal pain AND Abnormal vaginal discharge	NA.	res (ir lebrile)	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses x 5 days [10-		inpatient management.	New	referred.	Adapted	STGA 2018 p. 156	doxycycline and metronidazole (Curry et al., 2019)
		AND Lower abdominal tenderness on examination			20mg/kg/dose four times a day x 5d]		If NO Fever: reasons to return to clinic					CDC [St Cyr 2020]
							immediately, safe sex					
		Genital lesion AND Age ≥12y AND History of					Safe sex counselling					
	Presumed Primary	sexual contact AND			IM Benzathine Penicillin 2.4MUI/dose ; single dose		Reasons to return to					
	Syphilis	Primary syphilis lesion	NA	No	(If Benzathine Penicillin not available) PO Doxycycline 200mg/day divided into 2 doses x 14 days	Conditional	clinic immediately	New	NA .	Same	STGA 2018 p. 164	Treatment (CDC[Workowski 2015])
		Syphilis rapid test unavailable					Partner management.					
		Genital lesion AND Age ≥12y AND History of sexual contact					Safe sex counselling					
		AND			IM Benzathine Penicillin 2 4MI II/dose : single dose							
	Primary syphilis	Primary syphilis lesion AND	NA	No	IM Benzathine Penicillin 2.4MUI/dose ; single dose (If Benzathine Penicillin not available) PO Doxycycline 200mg/day divided into 2	Conditional	Reasons to return to clinic immediately	New	Added Syphilis rapid test if available	Adapted	STGA 2018 p. 164	Treatment (CDC[Workowski 2015])
		Syphilis rapid test positive			doses x 14 days		Partner management.			1	1	
		OR Additional test not proposed by algorithm AND Syphilis test positive					ayemen.					
							Safe sex counselling			-		
		Genital lesion AND Age ≥12y										
	Genital herpes	AND Genital HSV lesion	NA	No	PO Acyclovir 80mg/kg/day (max daily dose 1200mg) divided in 3 doses	Conditional	Reasons to return to clinic immediately	New	NA .	Same	STGC 2018 P. 308	NA .
		Genital HSV lesion					Partner management.					
							Safe sex counselling					
		A NAO-AND History of course content			DO December 2000-014-014-014-014-014-014-014-014-014-		Reasons to return to					
	Inguinal Bubo (LGV/Chancroid)	Age ≥12y AND History of sexual contact AND	NA	No	PO Doxycycline 200mg/day divided into 2 doses x 14 days	Conditional	clinic immediately	New	NA .	Same	STGC 2018 P. 310 / STGA 2018 p.162	NA .
	(EGV/Chanciold)	Inguinal Bubo			PO Azithromycin 1g/dose, single dose		Guidance for oral				31GA 2016 p. 102	
							antibiotic treatment at home.					
							Safe sex counselling					
							Reasons to return to					
	Urethral Discharge	Male sex AND Age ≥12y AND History of sexual contact	NA.	No	IM Ceftriaxone 500mg/dose ; single dose	Conditional	clinic immediately	Now	Switched Cefixime for ceftriaxone (cefixime rarely available in primary health	Adapted	STGC 2018 P. 297	Treatment (CDC [St Cyr 2020], CDC [Workowski 2015])
	syndrome	AND Urethral discharge	NA.	140	PO Doxycycline 200mg/day divided into 2 doses x 14 days	Conditional	Partner management.	New	facilities)	Adapted	STGA 2018 p.155	Treatment (CDC (St Cyr 2020), CDC (Workowski 2010))
							Guidance for oral antibiotic treatment at					
							home.					
							Safe sex counselling					
		Female sex AND Age ≥12y AND History of sexual contact					Ask for sexual abuse (only if resources are					
	Vaginal Discharge	AND	Pelvic Inflammatory	No.	IM Ceftriaxone 500mg/dose; single dose PO Doxycycline 200mg/day divided into 2 doses x 14 days	0	available to help)		Switched Cefixime for ceftriaxone (cefbirne rarely available in primary health		STGC 2018 P. 297	Teachers of CDO (C) Co. 20001 CDO (Marshamel CO) C
	syndrome	Abnormal vaginal discharge AND	Disease	No	PO Metronidazole 800mg/day divided into 2 doses x 14 days	Conditional	Partner management.	INEW	facilities)	Adapted	STGA 2018 p.155	Treatment (CDC [St Cyr 2020], CDC [Workowski 2015])
		NO Fever AND NO Cottage-cheese-like/curdlike discharge					Guidance for oral			1	1	
							antibiotic treatment at home			L		
		Female sex AND Age ≥8y										
	Vaginal	AND Abnormal vaginal discharge AND Cottage-cheese-			Cintrimazola craam 1% (nanital)		Reasons to return to			1	1	
	Candidiasis	like/curdlike discharge AND Cottage-cneese-	NA	No	Clotrimazole cream 1% (genital) (If clotrimazole cream not available) PO Fluconazole 150 mg/dose, single dose	Conditional	clinic immediately	New	None	Same	STGA 2018 P. 173	NA .
		AND NO Fever										
		Female sex AND Age ≥24m AND No History of										
		sexual contact asked if ≥12 years)					Vulvovaginitis care		Part of vaginal discharge syndrome in Tanzania Standard Treatment	1	1	
	Mulumum data	AND	Mantant annulul	No.	If no improvement after hygiene counselling: PO Metronidazole	0	-		guidelines P. 298, however this diagnosis separates conditions that are not		0700 0040	Index and DM (2005) Falses Under NE IM 2005
	Vulvovaginitis	Genital itching / burning OR Abnormal vaginal discharge OR Dysuria AND	Vaginal candidiasis	No	20mg/kg/day divided into 2 doses for 7 days [10mg/kg/dose two times a day x 7d]	Conditional	No inpatient referral needed: Reasons to return to clinic	New	due to STIs. Most cases of bacterial vaginitis resolve spontaneously with hygiene counseling, treatment therefore witheld to only those with persisting symptoms despite modification to hygiene.	Adapted	STGC 2018 p. 298	Joishy et al. BMJ 2005; Eckert, Linda. NEJM, 2006
		NO Fever AND Non-pathological urine analysis (performed in those with dysuria)					return to clinic		symptoms despite modification to hygiene.			
		(performed in those with dysuria)										
							IF severe pain or					
		Male sex		IF severe pain / reduction not			reduction of hernia not possible: Refer urgently			1	1	
		AND		possible - urgent;	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses x 2-5 days [10- 20mg/kg/dose four times a day x 2-5d]		for inpatient management	l.,				
	Inguinal hernia	Painful swelling of groin (symptom) AND	NA	otherwise - specialist	Manual reduction of hemia	Conditional	IF severe pain or	New	In line with STGC	Same	STGC 2018 p. 236	Manual reduction of hemia is safe and effective as initial management (East et al., 2020)
		Inguinal / groin tenderness on examination		outpatient (surgical)	manual reduction of hernia		reduction of hernia possible: Refer for					
				(==-groun)			specialized outpatient management: Surgical			1	1	
				1				l	<u>l</u>	1	1	1

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI3 (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Suspected Testicular Torsion	Male sex AND Genital problem AND Scrotal pain AND Testicular tenderness on examination	NA	Yes - urgent	Pre-referral PO Paracelsamol 40-80 mg/Kg/day divided into 4 doses x 5 days [10-20mg/kg/dose four times a day x 5d] Manual detorsion of testis	NA	Refer urgently for inpatient management	New	In line with IMAI 2009	Same	IMAI 2009 p.27	Unological history and physical examination including identification of unilateral paintul and haddinvelling tests is highly accurate for diagnosis of suspected torsion for non-unological provider (Sharh et al., 2016) and preoperative manual detorsion cain improve surgical salvage therapy (Cabral Dias Filho et al., 2017)
Ear/Nose/Mouth/Throat	Mastoiditis	Ear problem AND AND Ear discharge (any duration) OR Ear Pain AND Tender swelling behind ear OR Protrusion of auricula	NA	Yes - urgent	Pre-referral:  IV Ampicilin 200mg/Kgiday divided in 4 doses, 1 dose prereferral  [Simg/kg/dose four times a day x 1 d] AND  Vectamation Timp/Kgiday divided into 1 dose, 1 dose prereferral  [Vm/kg/dose dose for the control of the co	NA	Refer urgently for inpatient management	New	None	Same	In line with STGA 2018 p.218, and IMCI 2014, and IMCI TZ 2020	NA.
	Complicated Acute Ear Infection	Ear problem AND (Ear doctors, 2-14 days  Ear Pain AND (Blatter) are pain AND age <24m) OR severe comorbidity 'OR measter sash) 'SAM, very low WFA, HIV, sickle cell disease, cerebral palsy, severe anaemia, congenital heart disease	Mastoiditis	No	PO Amoxicillin HD 75-100mg/Kg/day divided in 2 doses for 5 days [37.5-50mg/Kg/dose two times a day x 5d] (if Amoxicilin not available) PO Azimtromycin 10mg/kg/day in 1 dose for 3 days [10mg/kg/dose daily x 3d] PO Paracetared 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d] if pain or fever	Conditional	Dry the ear by wicking (if ear discharge present) No inpatient referral needed: Reasons Guidance for oral antibiotic treatment at home.	New	Antibiotics only to selected patients with complicated acute offils media	Adapted	STGA 2018 p. 217 / STGC 2018 p. 242	Cochrane review identified 13 RCTs (3401 children and 3938 acute otilis media episodes) from high income countries, and found that antibiotics often have little benefit (Venekamp, Sanders, Glasziou, Del Mar. & Rovers, 2015). Many guidelines recommend to restrain antibiotic prescripts not brinder documentances (National Institute for Health and Care Excelence, 2016; Lieberthal et al., AAP, 2013)
	Uncomplicated Acute Ear Infection	Ear problem AND Ear Pain	Mastoiditis / complicated acute ear infection / Mumps / Dental abscess/ Viral/bacterial acute pharyngitis	No	Olic Ciprofitoxacin 0.3% ear drops x 3 drops, twice a day for 10 days PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d]	Conditional	No inpatient referral needed: Reasons to return to clinic Explain why oral antibiotics are not useful for this patient	New	As above	Adapted	STGA 2018 p. 217 / STGC 2018 p. 242	As above
	Complicated Chronic Ear Infection	Ear problem AND Ear discharge ≳14 days AND Hearing loss OR Ear foreign body	Mastoiditis	Yes - to ear specialist	Otic Ciprofloxacin 0.3% ear drope x 3 drops, twice a day for 14 days PO Paracetamol 40-90 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d] if pain or fever	Conditional	Refer for specialized outpatient management: Ear, nose, and throat	New	Added based on expert panel to identify those that need outpatient specialized management	Adapted	STGA 2018 P. 218 / STGC 2018 P. 256 / IMCI 2014	NA .
	Chronic Ear Infection	Ear problem AND Ear discharge >14 days AND NO hearing loss AND NO Suspicion of foreign object in ear	Mastoiditis / complicated chronic ear infection		Olic Ciprofituacin 0.3% ear drops x 3 drops, twice a day for 14 days PO Paracetamod 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d] if pain or fever	Conditional	No inpatient referral needed: Reasons to return to clinic Dry the ear by wicking Explain why oral antibiotics are not useful for this patient	New	Only topical antibiotics in line with IMCI 2014	Same	STGA 2018 P. 218 / STGC 2018 P. 256 / IMCI 2014	NA.
	Foreign body in ear	Ear problem AND Suspicion of toneign body in ear AND Foreign body seembuspected in ear	NA	IF unable to remove object OR object not visible	Removal of object if possible  If fesion seen: Otic Ciprofloxacin 0.3% ear drops x 3 drops, twice a day for 10 days	Conditional	If unable to remove oject: Refer for specialized outpatient management: Ear, nose, and throat If able to remove object: No inpatient referral needed: Reasons to return to clinic	New	In line with STGC 2018	Same	STGC 2018 p.249	NA.
	Dental Abscess	Mouth or Tooth problem AND Tooth pain AND Dental abscess seen	NA	Yes - to dentist	IF Fever: PO Amostillin'(Clavulanic acid 80-100mg/kg/dsy divided into 2 doses for 10 days (140-50mg/kg/dose two times a day x 10d) (gif Amostilla for a dissillating PO Amostillin 50mg/kg/dsy divided in 2 doses for 11 (gif Amostilla not assillating PO Memoriatation 20mg/kg/dsy divided into 2 doses for 11 (gif Amostilla not assillating PO Memoriatation 20mg/kg/dsy divided into 2 doses for 10 days [10mg/kg/dose hos times a day x 10d] PO Paracetamid 40-80 mg/kg/dsy divided into 4 doses for 5 days [10-20mg/kg/dose but times a day x 3d] Dental abscess incision & drainage	Conditional	Dental abscess drainage and incision Refer for specialized outpatient management: Dentist Guidance for oral antibiotic treatment at home.	Adapted	Amodcillin given without metronidazole in non severe cases	Adapted	STGC p. 206	Chow, 2020
	Tooth pain	Mouth or Tooth problem AND NO Dental abscess AND Tooth pain	Dental abscess	Yes - non-urgent to dentist	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 3 days [10- 20mg/kg/dose four times a day x3d]	Conditional	Refer for specialized outpatient management: Dentist	New	Generic diagnosis for multiple diagnoses except abscess needing referral for dental care (Dental caries, dental trauma)	Same	STGC 2018 p.182 and 185	NA.
	Oral aphthous ulcers	Mouth pain OR Eating less than usual (if 2-59m) OR Sore throat AND Mouth ulcers (painful, shallow) OR Herpangina (vesicles in mouth)	NA	No	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 2-5 days [10- 20mg/kg/dose four times a day x 2-5d] Topical Gentian Violet (half strenth - 0.25%) two times a day for 5 days	Conditional	Oral aphtous ulcer advice No inpatient referral needed: Reasons to return to clinic	New	In line with IMCI 2014 guidance for oral aphtous utcers	Same	In line with IMCI 2014	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 ( TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI: (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Oral Candidiasis (Oral thrush)	Mouth / tooth problem OR Eating / breastfeeding a lot less than usual (2-59m, asked within CC General)  AND  White plaques in the mouth	NA	No	PO Nystatin 100.000IU four times a day for 14 days (susp) 14/7 (8 Nystatin not available) PO Miconazole 2% 5ml twice a day for 14 days IF HIV: moderate or severe mainutrition; failed nystatin Tx: PO Fluconazole 5- 10mg/Kg/day in 1 dose for 7 days [6-12mg/kg/dose daily x7d]	Conditional	No inpatient referral needed: Reasons to return to clinic Oral thrush/candidiasis counselling if mother is breastfeeding the child	New	In line with STGA 2018	Same	STGA 2018 P. 237	NA
	Bacterial Acute Pharyngitis	Age ≥3 y AND Sore throat AND Cape Town Clinical Decision Rule score ≥3 points (Tonsillar swelling = 2 [mandatory]/ Tonsillar exudate = 1 / No cough = 1 / No runny nose = 1)	NA	No	PO Amoxicillin 50mg/Kg/day divided in 2 doses for 5 days [25mg/Kg/dose two times a day x.50] (if Amox not available) PO Pericillin V 25-50mg/kg/day divided in 2 doses for 5 days [25mg/kg/dose two times a day x.50]  PO Paracestand 450 mg/Kg/day divided int 4 doses for 2-5 days [10-20mg/kg/dose four times a day x.2-5d]	Conditional	No inpatient referral needed: Reasons to return to clinic. Guidance for oral antibiotic treatment at home.	New	Use of Cape Town Clinical decision rule as selected by TZ expert panel to decide who should receive antibiotics	Adapted	STGC 2018 P. 248	Cape Town Clinical Decision Rule (Engel et al., 2017)
	Viral Acute Pharyngitis	Age 23 y AND Sore throat Cape Toun Clinical Debiddy Conge Toun Clinical Debiddy Cronsiller swellings 22 priorition wouldes = 1 / No cough = 1 / No runny nose = 1)	NA .	No	PO Paracetamol 40-80 mg/Kg/day divisted into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d]	Conditional	Common cold or upper respiratory tract infection: Symptomatic care No inpatient referral needed: Reasons to return to clinic Explain why oral antibiotics are not useful for this patient	New	As above	Adapted	STGC 2018 P. 248	NA.
	Complicated Neck mass	Neck mass ≥3cm OR Neck mass ≥4 weeks	NA	Yes - specialist outpatient (including TB investigation)	PO Ampicious 50.150mg/kg/day divided in 3 doses, 1 dose prereferral [17-50mg/kg/dose times times a day x td] ( (4 Ampicious not sailable) PO Astimicromyon 10mg/kg/day in 1 dose, 1 dose prereferral [10mg/kg/dose day x td]  PO Paracestand 450m g/kg/dgw / divided into 4 doses for 3 days [10-20mg/kg/dose four times a day x 50] If fever		Withold antibiotics before TB assessment if possible Refer for specialized outpatient investigation: neck mass	Adapted	Added, Not in IMCI or Tanzanian guidelines; however in IMCI TZ 2020 tooking for lymph nodes is part of the screening process for tuberculosis	Adapted	IMCI TZ 2020	Meier et al. Am Fam Physician 2014
	Uncomplicated infectious lymphadenitis	Neck mass <3cm AND Neck mass <4 weeks AND Local tendemess	Bacterial or viral acute pharyngitis, complicated neck mass		IF Fever: PO Ampidos 50-150mg/kg/day divided in 3 doses for 10 days [17-50mg/kg/dose fiftee times a day x 100] (if Ampidos not available) PO Azithromycin 10mg/kg/day in 1 dose for 10 days [10mg/kg/dose aliky x 100] (igw y winded wind 4 doses for 5 days [10- 20mg/kg/dose but mes a day x 50]	Conditional	No inpatient referral needed: Reasons to return to clinic Guidance for oral antibiotic treatment at home.	Adapted	Added. Not in IMCI or Tanzanian guidelines	NEW	Added. Not in IMCI or Tanzanian guidelines	Meier et al. Am Fam Physician 2014
	Uncomplicated lymphadenopathy	Neck mass <3cm AND Neck mass <4 weeks AND NO Local tenderness	Bacterial or viral acute pharyngitis, complicated neck mass	No	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d] if fever	Conditional	No inpatient referral needed: Reasons to return to clinic	Adapted	Added. Not in IMCI or Tanzanian guidelines	New	Added. Not in IMCI or Tanzanian guidelines	Meier et al. Am Fam Physician 2014
	Mumps	Swollen salivary glands (Suspicion of mumps)	NA	No	PO Paracelamol 40-80 mg/Kg/day dh/ided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d] if pain or fever	Conditional	Common cold or upper respiratory tract infection: Symptomatic care Ensure adequate fluid and calorie intake No inpatient referral needed: Reasons to return to clinic	New	Added based on suggestion by TZ clinical expert panel	New	Not in IMCI or Tanzanian guidelines	Albrecht, 2020
Eye	Bacterial Conjunctivitis	Slicky eye / purulent discharge from eye	Measles, severe eye disease	Yes - if no improvement despite 5 days of antibiotic eye drops	Occular Chloramphericol 0.5% eye drops, 1 drop every 3 hours for 5 days (8 Cholamphericol not available) Occular Cipreflosacin 0.3% ear drops x 3 drops, twice a day for 5 days	Conditional	If follow-up visit and already 5days of antibiotics completed: Refer for specialized outpatient management: Ophtalmology No inpatient referral needed: Reasons to return to clinic	New		Same	STGC 2018 P. 178	- Glued-eye / Stick eye good predictor of bacterial conjunctivitis (van Weert, Tellegen & ter Riet, 2013) - Systemschi creview for diagnosis and treatment for red eye (Azari & Banney, 2013) - sauce bacterial conjunctivitis is frequently self limiting, however the sue of antibiotic eye drops associated with modelly improved rates of clinical and microbiological remission in comparison to placebo (Shreibs, Hunez, van Schayek, McLeax, & Nurmatov, 2012).
	Viral Conjunctivitis	Red eye AND NO Sticky eye / purulent discharge from eye AND NO ltchy eye(only ≥5 years)	Bacterial conjunctivitis, measles, severe eye disease	No	Conjunctivitis guidance	Conditional	Conjunctivitis guidance  No inpatient referral needed: Reasons to return to clinic	New	Adapted diagnostic criteria from STGC 2018, excluding sticky eye and mucopurulent discharge from eye	Adapted	STGC 2018 P. 178	Systematic review for diagnosis and treatment for red eye (Azari & Barney, 2013)     Up to 80% of all cases of conjunctivitis in the acute setting are due to viral infections and are highly contagious, highlighting the importance of hygiene measures (Azari et al., 2013)
	Allergic Conjunctivitis	Age ≥5 years AND Red eye AND NO Slicky eye / purulent discharge from eye AND itchy eye	Bacterial/Viral conjunctivitis, Measles, severe eye disease	No	Sodium chromoglycate 2-4% eye drops 1 drop q6h for 30 days	Conditional	SU SIMU	New	No split lamp examination as proposed in STGC.	Adapted	STGC 2018 p. 177	- Systematic review for diagnosis and treatment for red eye (Azari & Bamey, 2013) - Allergic conjunctivitis is an increasing condition, affecting up to 40% of the population in US, and redness with kinding are the most consisten symptoms (Azari et al., 2013). A community- based study in Chinan seported a prevalence of 39.9% and thus identified AC as an endemic could riskesse (Rumhar et al., 2015). Allhough it is rarely a server condition, timely identification and treatment of AC is crucial as it has a considerable effect on quality of file (Palmares et al., 2010)
	Orbital Cellulitis	Warm tender swelling around eye / eyelid AND Fever OR Eye pain	NA	Yes - urgent	Pre-referral: PO Amplicus 50-150mg/kg/day-divided in 3 doses, 1 dose prereferral [17- (17-divided to 18-16-18-18-18-18-18-18-18-18-18-18-18-18-18-	NA	Refer urgently for inpatient management	New	Adapted from STGC 2018 to identify preseptal versus orbital cellulitis.	Adapted	STGC 2018 P. 179	- Predictors to distinguish preseptal from orbital cellulists ((Ekhlassi & Becker, 2017; Sciarretta et al., 2017). Active sinvasific is a common childhood disorder, but can progress into complicated conditions with orbital complications accounting for up to 85% of all acute sinvasific complications (Sunhall et al., 2016). Prompt recognition of both preseptial and orbital collulists required to avoid potential serious sequelae such as bifundess; intracrarial infection and even death (Suhall et al., 2010). Orbital cellulistic sortstude 62% of acuter energency admissions in a retrospective Nigerian study in 2012 (Baloguin et al., 2012)

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to T2 guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 ( TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCIS (YES, Adpated	TZ or IMCI/IMAI Guidelines	Additional references
	Preseptal Cellulitis	Oedema of eyelid OR Redness / swelling around eye AND NO Fever AND NO Eye pain	Orbital cellulitis	Refer urgently if <12 months old	P.O. Ampicidus SS-150mg/kg/day divided in 3 doses for 10 days [17-50mg/kg/dsosenses aday of 10] (if ampicion not available) PO Erythromycin S0mg/kg/day divided into 3 doses for 10 days [17mg/kg/dose three times a day x10d]	Conditional	If <12mth: Refer urgently for inpatient management  If ≥12mth: No inpatient referral needed: Reasons to return to clinic. Guidance for oral antibiotic treatment at home.	New	As above	Adapted	STGC 2018 P. 179	Preseptal cellulitis is more common and less severe than orbital cellulitis, and the absence of eye pain on estracoular movement can help to distinguish preseptal cellulitis from orbital cellulitis (Exhibassi et al., 2017)
	Severe Eye Disease	Clouding of comes OR Severe eye pain OR bleeding of eye OR red eyes 2 weeks OR intured eyelateshoot Duss of vision OR Ristory of injury of eye region OR Foreign body in eye	NA	Yes - IF severe eye pain = urgent / IF NOT severe eye pain OR Foreign body in eye = specialist outpatient referral	Coolar Chicarephenicol eye drops x1 drop, every 3 hours for 5 days (if Chicarephenicol and available) Occular Ciprofloxacin 0.3% EVE drops x 3 drops, fuce a day for 5 days.  If clouding of cornea and measles in last 3 months and no Vitamin A in past month (or not currently on RUTE): PO Vitamin A 3 doses Day 0,1,14-200,0001/  (Fixed dose: Age <6min + 90,0001/ 6-1/2min = 100,0001/ 2 12min = 200,0001/  If foreign body in eye: Foreign body removal  Pre-referral  If severe eye pain: PO Paracelamol 40-100 mg/Kg/day divided into 4 doses, 1 dose presterral [10-20mg/kg/dae four times a day x 16]		IF severe eye pain: Refer urgently for inpatient management If pain OR Foreign body in eye: Refer for specialized outpatient management: Ophtalmology If foreign body in eye: reasons to return to clinic immediately	New	Generic diagnosis for severe eye diseases requiring referral for further expert assessment including trachoma, retinodisations, eye injury, congenital glucona, useria, and foreign body, IMCI TZ 2020. Also includes eye injury which is integrated in comeal abarisacin, abnormal appearing eye which is integrated in ordinary confusions, and appearing eye which is integrated in ordinary collutions with the eyeld defems. Straiben is included in IMCI TZ 2020 but not Adapted from Commutations in STGC 2016 without the use of slit lamp examination, and IMCI TZ 2020 (eye injury)	Adapted	STGC 2018 P.164, 165, 170, 172, 175; IMCI TZ 2020	The diagnosis of the entity grouped as "severe eye disease" aims to detect and refer severe conditions including Trachorma, Glaucoma, severe ocular infection, trauma or inflammation. In a study from Bangdadesh, the prevalence of ocular morbidity and childhood blindness was 5,63% (Hussan et al., 2018).  - Comed abrasion and aspecials, carearial and occuprecion larging from a foreign body are controlled to the control of the
Skin	Complicated abacess	Localized skin problem AND Pain (f.z. 12m) AND Abscess seen AND NOT (<12m old AND Perianal abscess) AND Fever OR Abscess size storn OR Facial abscess OR Large area of hump por and tender skin around abscess	NA NA	IF unable to drain at health facility	PO Ampiciox 50:150mg/kg/day divided in 3 doses for 7 days [17:50mg/kg/dose three times a day x 10d] (if ampictox not adalse) PO Eyrthromycin 50mg/kg/day divided into 3 doses for 7 days [17:mg/kg/dose three times a day x7d] PO Paracelatand 4-0.00 mg/kg/days divided into 4 doses for 5 days [10:20mg/kg/dose four times a day x 5d]	Conditional	IF able to drain at health facility: Abcess Care Abcess Care No inpatient referral needed: Reasons to return to clinic IF unable to drain at health facility. Refer for specialized outgatient management: Surgical Ensure adequate fluid and calonie intake. Guidance for oral antibiotic treatment at home.	Adapted	In line with STGC	Adapted	STGC p. 238	NA
	Simple abscess	Localized skin problem AND Pain (if ≥ 12m) AND Abscess seen AND	Complicated abscess	No	IF unable to drain at health facility: PO Ampiclox 50-150mg/kg/day divided in 3 doses for 7 days (17-50mg/kg/dose three times a day x 78) (4 Ampickor ox tabulable) PO C-Amoulini(Claulvalane acid 80-100mg/kg/day divided into 2 doses for 7 days (40-50mg/kg/dose two times a day x 78) PO Paracetamal Oxfor omg/kg/day divided into 4 doses for 5 days (10-20mg/kg/dose four times a day x 5d)	Conditional	IF able to drain at health facility: Abcess Care  No inpatient referral needed: Reasons to return to clinic  Ensure adequate fluid and calorie intake.  Guidance for oral arribiolic treatment at home.	Adapted	Only antibiotics for complicated abscess or those for which drainage is not possible.	Adapted	STGC p. 238	Antibiotics in those with fever or when drainage is not possible. Other signs of SIRS would be captured through other algorithms (Stevens et al. CID, 2014)
	Complicated cellulitis	Localized skin problem AND Pain (if ≥ 12m) AND Cellulitis seen AND Facial cellulitis OR Severe pain around OR Size ≥2x child's palm OR Danger sign OR No improvement after 72hrs of antibiotics	NA .	Yes - for evaluation for parenteral antibiotics	Pre-referral PSO Ampicios 20.550mg/kg/day divided in 3 doses for 10 days [17-50mg/kg/dose three times a day x.1-d] (If Ampiciox not available) PC Brythomycin 50mg/kg/day divided into 3 doses for 10 days [17mg/kg/dose three times a day x.1-d] PO Paracetamod 40-100 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose but times a day x.6]	NA .	Ensure adequate fluid and calorie intake Refer for evaluation for parenteral antibiotic TT	Adapted	NA.	Yes	STGC p. 251	NA.
	Uncomplicated Cellulitis	Localized skin problem AND Pain (if ≥ 12m) AND Cellulitis seen AND NO Danger sign AND NO Facial location AND NO Severe pain around skin lesion AND Size < 2x patient's palm	Complicated cellulitis	No	PO Ampiclox 50-150mg/kg/day divided in 3 doses for 10 days [17-50mg/kg/dose three times a day x 10d] [if Ampiciox no admissible) PO Enythromycin 50mg/kg/day divided into 3 doses for 10 days [17mg/kg/dose three times a day x 10d] PO Paracelamed 40 To 00 mg/kg/day divided into 4 doses for 5 days [10-20mg/kg/dose bour times a day x 2-5d] if fever	Conditional	Ensure adequate fluid and calorie intake Follow up in 7 days Guidance for oral antibiotic treatment at home.	Adapted	IV antibiotics only for severel'complicated cases, the rest would be treated with PO antibiotics.	Adapted	STGC p. 251	Oral antibiotics appropriate for uncomplicated cellulitis (Stevens et al. CID, 2014)
	Severe complicated measles	Generalized skin problem AND Fever AND Messiles rash seen Danger signe Of AND STAND	NA	Yes AND Report (notifiable disease)	IMIV Ampicillin 200mg/kg/day dvided in 4 doses, 1 dose prereferral [Sangkg/dose four times a day x 1:0] [Sangkg/dose tour times a day x 1:0] [Timpkg/dose daily x 1:0] [If Amp S, Gert not available] [MIV Cettisaone 50mg/kg/day dvided into 1 dose, 1 dose prereferral [Somgkg/dose daily x 1:0] [If Amp S, Gert not available] [MIV Cettisaone 50mg/kg/day dvided into 1 dose, 1 dose prereferral [Somgkg/dose daily x 1:0] [If D Paracestanot 40-80 mg/Kg/day dvided into 4 doses for 5 days [10-20mg/kg/dose but rimes a day x 6] if here  IF mouth utcers: Topical Gentian Viole (half strength - 0.25%) for inside mouth too times a day for 5 days  IF pus from eye and clouding of cornea: Cocular Tetracycline eye drops x 1 drop, never 5 horas for 1 days  doses Day 0 8.1 8. (if cornea clouding) 14 - (Fixed dose: Age <6mth = 50,000IU /6-12mth = 100,000IU /212mth = 200,000IU)	NA	Report for surveillance data Refer urgently for inpatient management	Adapted	In line with IMCI 2014, IMCI TZ 2020	Yes	STGC p. 324, IMCI 2014, IMCI TZ 2020	NA.

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	Non-severe measles	Generalized skin problem AND Fever AND Messiles rash seen MO Barger signs AN WO Respiratory distress. NO Barger signs AN WO Respiratory distress. AND NO Despiratensive mouth uters AND NO Clouding of the cornea AND NO Severe acute mainutrition AND NO Very low WFA AND NO Chest Indrawing pneumonia AND NO HIV AND NO Cerebral palay AND NO Sickle ced disease AND NO Congenital heart disease	Severe complicated measles	No Report (notifiable disease)	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 2-5 days §10-20mg/kg/dose bur times a day x-2-5d] if fever If no VII. A list amonth, and not already on 8UTF: PO Visianin A (seatimen) 2 doses 1-0p; 14.2 - (Thines doses Age-demin - 50,000IU / 6-212min - 100,000IU / 12min - 200,000IU)  IF pus from eye and clouding of cornea: Occular Tetracycline eye drops x1 drop, every 6 hours for 14 days.  IF mouth ulcers: Topical Gentian Violet (half strength - 0.25%) for inside mouth too times a day for 5 days	Conditional	Explain why oral antibiotics are not useful for this patient Report for surveillance data Ensure adequate fluid and calorie intake.	Same	In line with IMCI 2014, IMCI TZ 2020, and STGC	YES	STGC p. 324, IMCI 2014, IMCI TZ 2020	NA
	Complicated chicken pox	Generalized skin problem AND Fever AND Chickenpox lesions AND HIV OR Very low WFA OR Severe mainutrition <del>OR</del> Cellutilis-OR Respiratory distress Severe- procumoria-OR chest indrawing procumonia	NA .	Yes - urgent	PO Acyclovir (chicken pox) 60-80mg/hg/day divided into 3 doses for 5 days [27mg/hg/dose three times a day x 5d] PO Paracestamid 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose but times a day x 5d] Topical Calsamine lotion application x1, daily for 5 days		Refer urgently for inpatient management	Adapted	Identified particular patients that could benefit from acyclovir treatment	Adapted	STGC p. 259	NA.
	Uncomplicated chicken pox	Generalized skin problem AND Fever AND Chicken pox fesions NO HIV AND NO Very few WFA AND NO Severe mainutifion AND NO Celhatis AND NO Respiratory distress AND NO chest indrawing pneumonia	Complicated chicken pox	No	PO Paracelsamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d] if lever Topical Catamine lotion application x1, daily for 5 days	Conditional	Explain why oral antibiotics are not useful for this patient.  Ensure adequate fluid and calorie intake.  No inpatient referral needed: Reasons to return to clinic.  Skin hygiene precautions.	Same	In line with STGC	YES	STGC p. 259	NA
	Non specific viral rash	Generalized skin problem AND Non-specific viral rash seen	NA	No	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d]	Conditional	Ensure adequate fluid and calorie intake Non specific viral rash quidance	New	Added. Not in IMCl or Tanzanian guidelines	NEW		Non-specific viral rash in childhood is common, mostly harmless and self limiting (Knöpfel et al., 2019). In a study reviewing 347 pediatric dermatology consultations in the pediatric emergency department, the most common condition was associated with an infectious disease (Moon et al., 2016.
	Scarlet Fever	Generalized skin problem AND Fever AND Age ≥12m AND Scarlet fever rash seen	NA NA	No	PO Arroxicilin 50mg/kg/day divided in 2 doses for 5 days [25mg/kg/dose two times a day x 5d] (if Amox not available) PO Pencillin V 25-50mg/kg/day divided in 2 doses for 5 days [25mg/kg/des two times a day x 5d] PO Paracetsamd 40-80 mg/kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d]	Conditional	No inpatient referral needed: Reasons to return to clinic Ensure adequate fluid and calorie intake. Guidance for oral antibiotic treatment at home.	New	Added. Not in IMCI or Tanzanian guidelines	NEW		The burden of Grupy A Straphococci (GAS) pequeloe including theumatic fever and rhountationant disease is high in Sub-Sahatan Airica (DeWiny er et al., 2000). A prospective Tancanium study demonstrate that GAS infections were among the most common bacterial infections diagnosed in children with uncomplicated lever (Ellving et al., 2016)
	Anaphylaxis	Itchy lesions (if ≥12m) AND Utricarial lesions seen AND Danger signs OR Respiratory distress OR Anaphylaxis	NA NA	Yes	Pre-referral IM Epinephrine 0.01mg/Kg x1 dose pre-referral IM Epinephrine 0.01mg/Kg x1 dose pre-referral IM-Eminty: PO Celifizine PO daily, 1 prereferral dose(Fixed dose: 6mth-2yr = 2.5mg/1.25pr = 5mg) (if Celfizine not available & Age >=2yr) PO Chlorpheniramine 2mg, 1 prereferral dose	NA	Refer urgently for inpatient management	New	Adapted to STGA and STGC	Adapted	STGA p. 179	Specified diagnostic criteria based on the Second National Institute of Allergy and Infectious Disease/Food Allergy and Anaphylaxis Network symposium (Sampson et al. 2006).
	Urticaria	Itchy lesions (if ≥12m) AND Urticarial lesions seen AND NO Danger signs AND NO Respiratory distress AND NO Anaphylixids	NA NA	No	IF ≥6 months: PO Celirizine PO dally for 5 days (Fixed dose: 6mth-2yr = 2.5mg / 2-5yr = 5mg/3:5yr=10mg)  / 2-5yr = 5mg/3:5yr=10mg)  (I Celirizine not available & Age >=2yr) PO Chlorpheniramine for 5 days (Fixed dose: 2-6yr = 2mg twice a day / 6-12yr = 2mg 3 times a day/12-14y=2mg 4 times a day)		No inpatient referral needed: Reasons to return to clinic	Same	In line with STGC	YES	STGC p. 266	NA .
	Eczema (Atopic dermatitis)	Itchy lesions (if ≥12m) AND Eczematous lesions seen	NA	No	IF≥3 months: Topical Hydrocortisone 0.5-1% twice a day for 14 days (If Hydrocortisone not available) Topical Betamethason 0.1% twice a day for 14 days	Conditional	Eczema guidance  No inpatient referral needed: Reasons to return to clinic	Same	Same as Tanzanian standard treatment guideline but no anti-histamine.	YES	STGC p. 265	No anti-histamine based on cochrane review (Matterne et al. 2019)
	Heat rash (Milliaria crystallina/rubra)	Heat rash seen	NA	No	NA .	Conditional	Heat rash guidance  No inpatient referral needed: Reasons to return to clinic	New	Added. Not in IMCI or Tanzanian guidelines	NEW	NA	Militaria are self limiting or require symptomatic therapy and are caused by sweat retention (Zuniga et al., 2013)
	Diaper rash	Localized skin problem AND Diaper rash	NA NA		Topical Potassium Permanganate 1:4000 (0.025%) 50ml twice a day for 7 days (if Potassium permanganate not available) Topical Clotrimazole 1% every 6 hours for 7 days	Conditional	No inpatient referral needed: Reasons to return to clinic Diaper rash guidance	New	No particular treatment, as there is no evidence based on 2005 cochrane review.	Adapted	STGC p. 254	No study that supported the treatment of diaper rash in 2005 cochrane review (Davies et al. 2005)
	Complicated Impetigo	Localized skin problem AND Impetgo AND Fever OR Lesion size >1x patient's palm	NA NA	No	RO Ampticius 50-150mg/hg/loxy divided in 3 doses for 7 days [17-50mg/kg/dose three times a 4xi y 5.5]  (8 Ampticius not available) PD Eythromycin 50mg/kg/day divided into 3 doses for 7 days [17mg/kg/dose three times a day x5d]  87 2xmt Topical Potassium Permanganale 1.4000 (0.025%) 50mt twice a day for 7 days  (8 Potassium Perm not available) Topical Muprocin 2% twice a day for 7 days  OF Rancassand 4-30 mg/kg/dov divided into 4 doses for 5 days [10-20mg/kg/dose bour times a day x.5d]	Conditional	Ensure adequate fluid and calorie intake No inpatient referral needed: Reasons to return to clinic Skin hygiene precautions. Guidance for oral antibiotic treatment at home.	New	Limit investigations as appropriate to primary care (no culture, FBP or CRP), management globally in line with STGC.	Adapted	STGC p. 252	Criteria for oral antibiotic treatment (Stevens et al. 2014, Raff et al. 2016)
	Uncomplicated Impetigo	Localized skin problem AND Impetigo AND NO Fever AND Lesion size <1x patient's palm	Complicated impetigo	No	IF≥2m: Topical Potassium Permanganate 1:4000 (0.025%) 50m1 twice a day for 5 days (if Potassium Perm not available) Topical Mupirocin 2% twice a day for 5 days PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 2-5 days [10-20mg/kg/dose bur times a day x 2-5d]	Conditional	No inpatient referral needed: Reasons to return to clinic Skin hygiene precautions	Adapted	Limit investigations as appropriate to primary care (no culture, FBP or CRP), management globally in line with STGC.	Adapted	STGC p. 252	See above

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to T2 guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI? (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Extensive folliculitis	Folliculitis seen AND Extensive skin disease	NA	No	PO Ampidox 50-150mg/kg/day divided in 3 doses for 7 days [17-50mg/kg/dose three times a day x 70]b PO Enythomycic 50mg/kg/day divided into 3 doses for 7 days [17-50mg/kg/day divided into 3 doses for 7 days [17-mg/kg/dose three times a day x7d]  Topical Gentian Violet (full strength - 0.5%) twice a day for 5 days (if Gentian Violet not available) Topical Silver Sulfadiazine 1% to affected area twice a day for 5 days.	Conditional	No inpatient referral needed: Reasons to return to clinic. Guidance for oral antibiotic treatment at home.	New	No grain stain, culture and sensitivity in line with routine care at primary care. Differentiation between those needing antibiotics and those not.	Adapted	STGC p. 253	Uncomplicated folliculitis can be treated topically, extensive folicitis or furuncies with oral ambionics (Studeng et al., 2002). Treatment of choice are beta-lactams, which are beneficial even in regions where community-
general / Universal Assessment	Folliculitis	Folliculitis seen AND NO Extensive skin disease	NA	No	Topical Potassium Permanganate 1:4000 (0.025%) 50ml twice a day for 4 days Topical Gentlan Violet (full strength - 0.5%) twice a day for 5 days (if Gentlan Violet not available) Topical Silver Sulfadiazine 1% to affected area twice a day for 5 days	Conditional	No inpatient referral needed: Reasons to return to clinic	Adapted	No gram stain, culture and sensitivity in line with routine care at primary care. Differentiation between those needing antibiotics and those not.	Adapted	STGC p. 253	See above
	Molluscum contagiosum	Molluscum contagiosum seen	NA	No	NA	Conditional	Molluscum contagiosum guidance	New	In line with STGC	YES	STGC p. 261	Treatment. (van der Wouden et al. 2017)
	Herpes simplex - Oral Lesions (Herpes labialis)	Localized skin problem AND Oral herpes simplex seen	NA	No	IF HIV / severe acute mahurtrition: PO Acyclovir (HSV) 80mg/kg/day divided into 3 doses for 5 days [27mg/kg/dose three times a day x 5d]	Conditional	Ensure adequate fluid and calorie intake No inpatient referral needed: Reasons to return to clinic Skin hygiene precautions	Adapted	Identified particular patients that could benefit from acyclovir treatment	Adapted	STGC p. 259	Topical acyclovir, penciclovir or docesanol not effective for herpes simplex labialis (Hammer et al. 2016)
	Generalized (extensive) Tinea corporis	Tinea corporis lesions seen AND Extensive skin disease	NA	No	PO Griseofulvin 20mg/Kg/day in 1 dose for 42 days [20mg/Kg/dose daily x42d] (if Griseofulvin not available) PO Fluconazole 6mg/Kg/day in 1 dose for 42 days [6mg/Kg/dose daily x 42d]	Conditional	No inpatient referral needed: Reasons to return to clinic	New	If extensive and generalized, treat with po antifungal instead of topical.	Adapted	STGC p. 256	Treatment of tinea corporis (Sahoo et al. 2016)
	Tinea corporis	Tinea corporis lesions seen AND NO Extensive skin disease	Generalized tinea corporis	No	Topical Clotrimazole 1% every 6 hours for 28 days (If Clotrimazole not available) Topical Benzoic Acid 3-6% twice a day for 28 days	Conditional	None	Same	In line with STGC	YES	STGC p. 256	Treatment of tinea corporis (Sahoo et al. 2016)
	Tinea Capitis	Tinea capitis lesions seen	NA NA	No	PO Griseofulvin 20mg/Kg/day in 1 dose for 42 days [20mg/Kg/dose daily x42d] (if Griseofulvin not available) PO Fluconazole 6mg/Kg/day in 1 dose for 42 days [6mg/Kg/dose daily x 42d]	Conditional	No inpatient referral needed: Reasons to return to clinic	Same	In line with STGC	YES	STGC p. 257	Treatment of tinea capitis (Chen et al. 2016)
	Scables	Itchy lesions (if ≥12m) AND Scables rash seen	NA	No	Topical Benzyl benzoate 25% once, then repeat in 1 week (if benzyl benzoate not available) Topical Malathion 0.5% (50ml) in one dose and wash off after 8 to 12 hours. Perform another application after two weeks in children with HIV	Conditional	No inpatient referral needed: Reasons to return to clinic Scables and lice household management advice	Same	In line with STGC	YES	STGC p. 262	Diagnosis and treatment of scables (Thompson et al. 2017; Sunderkotter et al. 2018; Engelmann et al. 2028)
	Pytiriasis versicolor	NO Pain (if ≥12m) AND Pityriasis versicolor rash seen	NA	No	Topical Clotrimazole 1% every 6 hours for 28 days (If Clotrimazole not available) Topical Benzoic Acid 3-6% twice a day for 28 days	Conditional	No inpatient referral needed: Reasons to return to clinic Pityriasis versicolor guidance.		In line with STGC	YES	STGC p. 257	NA .
	Pediculosis (Head lice)	Head lice seen	NA	No	Topical Benzyl benzoate 25% to dry hair for 10-minutes and then rinse off. Repeat second application 1 week apart. (if benzyl benzoate not available) Topical Malathion 0.5% (20mi) to dry hair for 8 to 12 hours before washing off. Repeat second application 1 week apart.		No inpatient referral needed: Reasons to return to clinic Scabies and lice household management advice	New	In line with STGC	YES	STGC p. 263	NA.
Trauma / Accident / Burns / Wounds / Fire exposure / Pain	Osteomyelitis/septi c arthritis	Musculo-skeletal pain or swelling (bone or joint pain/swelling) OR imping OR unable to use externity AND For the Control of the Con	Uncomplicated/Sever e mataria	Yes - urgent	Pre-referral:  MNIV Certiniscune S0mg/kg/dsyr_divided into 1 dose, 1 dose prereferral  S0mg/kg/dsos daily x 1d]  (if Cef not available) IV Annoxillin / Clavulatinic acid 100mg/kg/dsy divided in 2  doses, 1 dose prereferral (50mg/kg/dsy e bro tilmes a day x 1d)  PO Paracetsanol 40-80 mg/kg/dsyr_divided into 4 doses, 1 dose prereferral [102-20mg/kg/dsos four times a day x 1d)		Refer urgently for inpatient management	Adapted	Different TT adapted to peripheral health facilities. (STGC 2018)	Adapted	STGC p. 78	
	Chronic limp or joint pain	Musculo-skeletal pain or swelling (bone or joint pain/swelling) OR impling OR unable to use extremity NO NO Fever ARD DAY OF Sever DAY OF SEV	NA	Yes - specialist outpatient	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d] if pain or swelling	Conditional	Refer for specialized outpatient consultation: Orthopedics	New	Added: Not in IMCt or Tanzanian guidelines	NEW		Cut-off time for accles on chronic large, 2 weeks, Photole et al., NEM 5014, Chronic large, DD Cut-off time for accles on the chronic large and the chronic large place of 1 to 22 and DD convolution from 3.8 to 400/100,000 (Thierry et al., 2014) and represents the most common rehumantal lines in childhood (Sylved et 2016). Other virus-accident chronic propares should be referred to assessment and treatment to reduce morticity and quality of life (Friessain et al., 2016, Shamma et al., 2018).
	Acute limp or joint pain	Musculo-skeletal pain or swelling (bone or joint pain/swelling) OR imping OR unable to use externity AND NO Feer-AND NO Hatory of trauma Joint pain / Limp <2 weeks	NA .	No	PO Paracetamot 40-80 mg/Kg/day divided into 4 closes for 5 days [10-20mg/kg/dose four times a day x 2-5d]	Conditional	No inpatient referral needed: Reasons to return to clinic	New	Added. Not in IMCt or Tanzanian guidelines	NEW		Acute limp in children is a common complaint with an incidence of 1.8 per 1000, and transient syrroitis, which requires symptomatic therapy only, is the main cause (Fischer et al., 1999) after exclusion of high inflammatory marker and/or fever (Kim et al., 2002)

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines. Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 ( TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI? (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Complicated deep wound	Deep wound AND Bite wound OR Wound infection OR Fever OR Uncontrolled bleeding	NA	motor deficit, signs severe infection, or persisting fever or no improvement despite antibiotics	Pre-referral: PO Ampiclos 50-150mg/kg/day divided in 3 doses for 7 days [17-50mg/kg/dose these times a day x 70] these times a day x 70] toggle photomycin 50mg/kg/day divided into 3 doses for 1 days [17mg/kg/dose here times as day x 60] PO Paracetamol 40-80 mg/kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 60]	Conditional	Wound care Tetanus vaccine if incomplete If No risk of rables, complicated deep wound needing referral, or persisting feverino and restrict on persisting feverino needed: Reasons to return to clinic. Guidance for oral antibiotic treatment at home. If risk of rables: Reter for specialized outguistent consultation: Rables If or operating feverino improvement of wound persisting feverino improvement im	New	Adapted from General Management of Trauma in STGA	Adapted	STGA p.255	Wound management (Black et al. 2015; World Health Organization, 2010)
	Uncomplicated deep wound	Deep wound AND NO Bite wound AND NO Sign of wound infection AND NO Fever AND NO Uncontrolled bleeding	Complicated deep wound	If suturing needed and not possible - refer specialist OP	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5:d]	Conditional	Wound care Tetanus vaccine if incomplete No inpatient referral needed: Reasons to return to clinic. If suturing needed (clean <24hrs, dirty <6hrs) and suturing possible: suture	New	Adapted from General Management of Trauma in STGA	Adapted	STGA p.255	Wound management (Black et al. 2015; World Health Organization, 2010)
	Complicated superifical wound	Superficial wound AND Bite wound OR Sign of wound infection OR Fever	NA	If rables risk: specialist OP (rable)	PO Ampiciox 50-150mg/kg/day divided in 3 doses for 10 days [17-50mg/kg/dose three times a day x 10g] (defence times a day x 10g) (defence times a day x 10g) (defence times a day x 70d) (days [17/mg/kg/dose three times a day x 70d)		Wound care Tetanus vaccine if incomplete If No risk of rables, or persisting lever/no improvement of wound after 72th antibiodies. No inpaint referral needed: Reasons to return to cinice. Guidance for oral antibiotic treatment at home. If risk of rables: Peter to specialized upon consultation: Rables If persisting fever/no improvement of wound improvement of wound improvement of wound improvement of wound representations. Rables Refer ungenity for registering management.	New	Adapted from General Management of Trauma in STGA	Adapted	STGA p.255	Wound management (Black et al. 2015; World Health Organization, 2010)
	Uncomplicated superficial wound	Superficial wound AND NO Bite wound AND NO Wound infection AND NO Fever	Complicated superficial wound	No	NA .	Conditional	Wound care Tetanus vaccine if incomplete No inpatient referral needed: Reasons to return to clinic	New	Adapted from General Management of Trauma in STGA	Adapted	STGA p.255	Wound management (Black et al. 2015; World Health Organization, 2010)
	Confirmed fracture	Fall / trauma AND Musculoskeletal pain / swelling AND AND Suspicion of fracture / dislocation AND Xray confirmed fracture	NA	If open fracture, severe pain or deformation: urgent; if not, specialist OP	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d]  Mpon facture: [pox-ederara] MMV Ampoillim 200mg/Kg/day divided in 4 doses, 1 dose prereferral [50mg/kg/dose four times a day x 1d] AND IMMV Gentamicin 7mg/Kg/day divided into 1 dose, 1 dose prereferral [7mg/kg/dose day] (if Amp & Gent not available) IMMV Cethrasone HD 80-100mg/kg/day divided into 1 dose, 1 dose prereferral [50mg/kg/dose daily x 1d]	Conditional	Immobilise  IF Severe pain, deformation, loss of motricity/leeling or open tracture. Refer urgently or inpatient management IF NO Severe pain, deformation, loss of motricity/leeling or open fracture. Refer for specialized outpatient consultation: Orthopedics	New	In line with Extremity Fractures in STGA	YES	STGA p.261	NA
	Confirmed dislocation	Fall / trauma AND Musculoskeletal pain / swelling AND Suspicion of fracture / dislocation AND Xray confirmed dislocation	NA	If unable to manage dislocation: Specialist OP surgical	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x5d]	Conditional	Dislocation management  If unable to manage dislocation: Refer for specialized outpatient consultation: Orthopedics	New	In line with Sprains and strains in STGA	YES	STGA p.260	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to T2 guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI? (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Suspicion of fracture/dislocation	Fall / trauma AND Musculoskeletal pain / swelling AND. Suspicion of fracture / discoation AND Xray unavailable	NA .	If open fracture, severe pain or deformation: urgent; incl. specialist OP	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose bur times a day x.50]  My open facture [Gre-referral]:  MMV Ampolimin 200mg/Kg/day divided in 4 doses, 1 dose prereferral [Somg-laydose for times a day x.1 d/AND  MMV Gertamicin Tmg/Kg/day divided into 1 dose, 1 dose prereferral [Tmg/Kg/day divided into 1 dose prereferral [Tmg/Kg/day divided into 1 do	Conditional	Immobilise  IF Severe pain, deformation, loss of motifoly/leeling or open tracture: Refer urgently or inpatient management.  IF NO Severe pain, deformation, loss of motifoly/leeling or open fracture: Refer for specialized outpatient consultation: Orthopedics	New	In line with Extremity Fractures in STGA	YES	STGA p.261	NA .
	Confirmed clavicular fracture	Fall / trauma AND Musculoskeletal pain / swelling AND Suspicion of fracture / dislocation AND Xray confirmed clavicular fracture	NA	No (but in management gives conditions e.g. open)	PO Paracetamol 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5d]	Conditional	Clavicular fracture management No inpatient referral needed: Reasons to return to clinic	New	Adapted from Extremity Fractures in STGA	Adapted	STGA p.261	NA
	Contusion	Failtrauma AND Musculoskeletal pain/swelling AND (NO Suspicion of both Stature or dislocation OR Suspicion of fracture dislocation AND Xray continued no abnormatly)	Major trauma	No	PO Paracetamot 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d]	Conditional	IF Contusion with severe deformity, unable to weighthear, or loss of motirolty/deeling. Refer for specialized outpatient consultation: Orthopedics IF NO Contusion with severe deformity, unable to weighthear, or loss of motirolity/fleeling: No inpatient referral needed: Reasons to return to clinic	New	Added. Not in IMCI or Tanzanian guidelines	NEW		Sensitivity and specificity of X-ray for diagnosis of fractures in children is high (93.2 and 99.5%) and can therefore reliably exclude fractures (Moritz et al., 2008)
	Major head injury	Head trauma AND Danger sign OR Open skull fracture OR ((History of loss of consciousness OR severe headache OR major trauma OR vomitling) AND Altered mental status OR signs basilar skull fracture)	NA	Yes - urgent	NA .	NA	Refer urgently for inpatient management	New	Added different categorization of head injuries adapted from PECARN rule	Adapted	STGC p. 230	No traumatic brain injury directal practice guidelines identified in a systematic review that was developed in Sub-Subraina Milaco, only one was not form a high-income country (Strait) ( Appending in all Fusco) fine. 2019. [9]  FECARIZ clinical prediction rule criteria adapted for LMIC (Schorrfeld et al. 2014; Easter et al. 2014; Kupperman et al. 2009)
	Moderate Head Injury	Head trauma AND NO open skull fracture AND History of loss of consciousness OR severe headache OR major trauma OR vomiting AND NO Danger sign AND No altered mental status AND NO signs basilar skull fracture	Major head injury; major trauma	If worsening in clinic in 4 hrs	PO Paracetamod 40-80 mg/Kg/day divided into 4 doses for 5 days [10-20mg/kg/dose four times a day x 5d]	Conditional	4 hour surveillance for head injury Head injury guidance	New	Added different categorization of head injuries adapted from PECARN rule	Adapted	STGC p. 230	As above
	Minor Head Injury	Head trauma AND NO open skull fracture AND NO History of loss of consciousness AND NO severe headache AND NO major trauma AND NO voniting AND NO Danger sign AND NO altered mental status AND NO signs basilar skull fracture	Major and moderate head injury; major trauma	No	PO Paracetamod 40-80 mg/Kg/day divided into 4 doses for 5 days [10- 20mg/kg/dose four times a day x 5:d]	Conditional	Head injury guidance	New	Added different categorization of head injuries adapted from PECARN rule	Adapted	STGC p. 230	As above
	Major Burn	Burn AND Full-trickness (find age) burn OR Circumferential burn OR 25% TBSA OR location hands OR face OR Suspicion of bone fracture or dislocation OR Major trauma	NA .	Yes - urgent	Topical Mupirocin 2% twice a day, 1 dose prereferral  (if Mupirocin not available) Topical Silver Sulfadiazine 1% to affected area twice a day, 1 dose prereferral  Tetanus vaccine if incomplete  If skin warm or swotten or with pus: PO Ampulous 50-10mkp yliqsy dvided in 3 doses for 7 days [17-50mg/kg/dose three times a day x 10d]		Major burn care Refer urgently for inpatient management	New	Adapted work-up and management for primary care health facilities	Adapted	STGC p. 228	Management of burns (Karbelowsky et al. 2007; Outwater et al. 2020; Stander et al. 2011; Sheridan, 2018; Young et al. 2017)
	Minor Burn	Burn AAD NO Major burn criteria	Major bum	No	Topical Mupirocin 2% twice a day for 14 days (if Mupirocin 2% twice a day for 14 days (if Mupirocin not available) Topical Silver Sulfadiazine 1% to affected area twice a day for 14 days.  Tetarus vaccine if encomplete  If skin warm or swotlen or with pus: PO Ampidios Sois I-Softingkayday divided in 3 doses for 7 days [17-50mg/kg/dose twee times a day x 109]  Return every 24 – 8 hr so clean and dress wound Consider child abuse if burn from object (refer to a ocial worker)  PO Paracetama (450 mg/kg/ddy wided into 4 doses for 3 days [10-20mg/kg/dose four times a day x 3d]		Burn care  Return every 24-48 hours to clean and dress wound  Consider child abuse if burn from object (Refer to social worker).  Guidance for oral antibiotic treatment at home.	New	Adapted work-up and management for primary care health facilities	Adapted	STGC p. 228	Management of burns (Karbelowsky et al. 2007; Outwater et al. 2020; Stander et al. 2011; Sheridan, 2018; Young et al. 2017)
	Inhalation injury	Significant exposure to fire or smoke AND Cough OR Difficulty breathing AND Fast breathing OR chest indrawing OR Respiratory distress	NA	Yes - urgent	If wheezing: INH Salhutamol 200mog four times a day, 1 dose prereferal (Salbutamon tot available) INH Budesonide 200mog two times a day, 1 dose prereferral Onygen therapy (if available)	NA	Refer urgently for inpatient management	New	Oxygen therapy if fast breathing or chest indrawing, and not only in those with respiratory distress	Adapted	STGC p. 314	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2018 (STGC 2018), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	Carbon monoxide poisoning	Significant exposure to fire or smoke AND Danger sign OR ≥24months: (Dizziness OR altered mental status OR headache) OR <24 months: severe irritability	NA NA	Yes - urgent	Oxygen therapy (if available)	NA	Refer urgently for inpatient management	New	No arterial blood gas and serum electrolyte measurement since not usually available at primary care	Adapted	STGC p. 317	Diagnosis and management (Hampson et al. 2012)
	Suspicion of poisoning	Accidental ingestion potentially harmful entity AND Single convulsion OR Danger Sign OR 224 months: (Headache OR dizziness OR altered mental status) OR < 24 months	NA	Yes - urgent	NA .	NA	Refer urgently for inpatient management	New	Identification of those needing referral, and those that can be observed	Adapted	STGC p. 232	Diagnosis and management of poisoning in children (Velez et al. 2020)
	Uncomplicated Suspicion of poisoning	Accidental ingestion potentially harmful entity AND NO Headache AND NO dizziness AND NO danger sign AND NO altered mental status AND NO < 24 months AND NO Convulsion	Suspicion of poisoning	No	NA .	Conditional	Uncomplicated poisoning guidance	New	Identification of those needing referral, and those that can be observed	Adapted	STGC p. 232	Diagnosis and management of poisoning in children (Velez et al. 2020)
	Major trauma	Major trauma (car accident, major fall, suspicion of multiple fractures, major bleeding)	NA	Yes - urgent	NA .		Control bleeding Stabilize neck Refer urgently for inpatient management	New	Added. Not in IMCI or Tanzanian guidelines	NEW		The most common mechanisms of severe traums in children are road traffic accidents and falls, with a mortality of about 1% in low-rinddle income countries (Bradshaw et al., 2018)
Meadache and stiff neck	Non-severe headache	Age 23y AND Headache AND NO Head trauma and NO Danger signs	Suspicion of polosoring, major trauma, polosoring, major trauma, polosoring, major trauma, suspicion of polosoring, major trauma, major trauma	No	PO Paracetamot 40-80 mg/Kg/day divided into 4 doses [10-20mg/kg/dose four times a day ]	Conditional	No inpatient referral needed. Reasons to retent to clinic Headache guidance	Nove	In line with Tension headaches in IMAI	Yes	IMAI 2009	NA.
	Suspected meningitis	Fever AND NO Danger sign AND Age >5y AND Headache or Neck pain or stiffness AND Stiff neck	NA .	Yes - urgent	Pre-referral:  IMIV Ceftrisone HD 80-100mg/kg/day divided into 1 dose, 1 dose prereferral  (80-100mg/kg/dose daily x 1 dose)  (80-100mg/kg/dose Jaily x 1 dose)  (80-100mg/kg/dose Jaily x 1 dose)  (80-100mg/kg/dose Jaily x 1 dose)  Adose prereferral (100mg/kg/dose four firms a day x 1 dose) &  prereferral (7mg/kg/dose daily x 1 dose)  Prevent low blood sugar		Prevent low blood sugar Refer urgently for inpatient management	Adapted	Sitt neets. Only checked if no danger sign present, and not checked in children of 27 morths as uncommon even in presence of meningitis (note all children with any Child Ganger sign are covered for meningists under diagnost very severe disease or Child Sanger sign." Difficulty moving head" added a guestion port to examination for sittl need, to improve specificity of this sign and reduce the amount of children with need to be examined for sittl sign and reduce the amount of children with need to be examined for sittl can be quickly observed.  Other criteria in STGs for suspected meningitis not all included (also not in MCI) as either por sensitivity, specificity or poorly assessed at primary care level (budging fontarelle, weak cry, irritability).	Adapted	IMCI 2014, IMCI TZ 2020	NA.
Preventior Screening	/ Possible HIV	Age 218 months - 12 years AND Mother HIV+ or unknown/refuse AND HIV status of child is unknown/regative AND Indication to perform test yes/unknown AND HIV rapid test positive AND Indication to PAR HIV status unknown/regative AND Indication to PAR HIV status unknown/regative AND Indication to PAR HIV status unknown/regative AND Indication for PAR HIV status unknown/regative AND HIV rapid test positive OR Additional test not proposed by algorithm AND HIV rapid test positive	NA NA	Yes - to relevant clinic	NA.		Possible HIV guidance	Adapted	In line with Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	YES	Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	NA.

Complaint category	DIAGNOSIS	ePOCT+ DYN TZ Algo	Excluded by	Referral	TREATMENTS	Follow-up (always includes reasons to return to clinic)	Management	Difference with ePOCT 2014 algorithm (New, Adapted, Same)	Modifications in respect to TZ guidelines: Standard Treatment Guidelines and Essential Medicines List for Children and Adolescents 2016 (STGC 2016), or IMCI 2014 (TZ IMCI 2020), or IMAI 2009	In line with Tanzania guideline and/or IMCI? (YES, Adpated (from TZ	TZ or IMCI/IMAI Guidelines	Additional references
	HIV exposed	Age 2m-9m AND Mother HIV+ AND NO PCR Confirmed HIV in infant Age 9 - 19m AND Mother HIV-refusion/inknown AND AND HIV Ab test +ve AND AND HIV Ab test +ve Age ≥18m AND Mother HIV-refusion/inknown AND AND HIV Ab test unavailable	NA NA	Yes - for HIV PCR test	NA.		Refer for outpatient evaluation: HIV care and treatment center. HIV exposure counselling & testing		In line with Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017		Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	NA.
	HIV Positive Mother	Age <12y AND HIV status of mother unknown AND Indication and consent to test mother for HIV AND HIV rapid test for mother positive OR HIV status of mother positive	NA		NA		Counselling to HIV Positive Mother		In line with Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017		Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	NA
	HIV screening unavailable	HIV rapid test unavailable AND Mother not HIV +	HIV exposed		NA .		HIV screening counselling	Adapted	In line with Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	YES	Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	NA .
	Negative HIV test	HIV rapid test negative	NA		NA .		Negative HIV test - Post test counselling if child is being breastfed	Adapted	In line with Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	YES	Tanzanian National Guidelines for the management of HIV and AIDS 2015 and 2017	NA .
General / Universal Assessmen	Prevention and Screening	All children without a severe diagnosis:  1. Ask it ivaccinations are complete for age 2. Received vid. In last 8 months (6-5m)  3. Ask if received deverming in the last 6 months (1-15y)	All severe diagnoses requiring a referral		IF no deworming in tast 6 months: PO Mebendazole (prevention) (Age >=+ty) 500mg daily for 1 days (I Mebendazole not available) PO Albendazole (prevention): age 1-2yr 200mg dayl for 1 day = 2e-2yr-400mg daily for 1 day = 2e-2yr-400mg daily for 1 day = 10 (Age = 2e-2yr-400mg daily for 1 day = 10 (Age = 2e-2yr-400mg dayl for 1 day dose: Age 6-412mth = 100,000lU / >=12mth = 200,000lU)		IF Vaccinations not complete: Refer to RCH clinic to complete vaccination  If >6mth: Advise to repeat vitamin A supplementation every 6 months  If >12mth: Advise to repeat vitamin A supplementation every 6 months	Same	In line with STGC, and IMCI	YES	STGC p. 22	NA.
	Known HIV	Known positive HIV status	NA		NA .		Considerations when treating an HIV+ patient	New	n/a			NA NA
	Known sickle cell disease	Known sickle cell disease	NA		NA.	question of chronic conditions added to reduce the number of	Considerations in managing a patient with sickle cell disease	New	Considerations for patients with sickle cell disease in regards to antibiotic treatment and inpatient admission in line with the Sickle cell disease clinical management guidelines (Tanzania 2020)		Tanzanian Sickle cell disease clinical management guidelines (2020)	NA.
	Known Cerebral palsy	Known cerebral palsy	NA		NA.	question of chronic	Considerations in treating a patient with cerebral palsy	New	n/a			NA.
	Known Congenital heart disease	Known congenital heart disease	NA NA		NA.	question of chronic	Considerations when treating a patient with congenital heart disease	New	n/a			NA.
	Follow-up consultation	Consulted a health facility for an acute illness in the past 14 days AND coming for a follow-up consultation	NA .	Consider referral if the patient is considerably worse than the previous consultation	NA.		If child's condition is worse that last consultation: Consider Referral Continue treatment and medication prescription as previously prescribed	New	n/a			