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Assessment of the quality of IMCI implementation in four districts in Zimababwe

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APPENDIX 1

Overview of key results of HFS from selected countries in the African Region, 2001-2007

	ZIM ('07)	KEN ('06)	NIGER ('06)	SEN ('06)	MOZ ('05)	MAL('04)	RSA ('03)	TAN ('03)	BOT ('03)	ZAM('01)
Sample Characteristics										
Facilities visited	***35***	50	44	40	70	50	58	100	35	70
Number of children observed	***226***	289	267	220	383	226	212	505	92	385
Health workers trained in IMCI	***88***	52	62	55	81					206 (69%)
Quality of clinical care										
Assessment										
Children checked for the presence of cough, diarrhea and fever	***100***	49	86	83	79	56	75	81	52	71%
Children checked for three general danger signs	***80.1***	11	2	28	25	16	75	73	12	25%
Children checked for other problems	***81.3***	56	42		69	32	75	59	58	63
Child weight checked against a growth chart	***78.3***	41	40	73	68	9	94	47	36	30
Child vaccination status checked	***81***	65	60	75	6.9	59	91	59	60	6.2
Index of Integrated Assessment	***7.5***	5.3	6.4	5.1	76	5.3	8	8	5.7	76
Children below 2 years old and those low weight and/or anaemia assessed for feeding practices	***86.7***	42	12%	32	3.9	6	43	36	25	36
Child reportedly slept under an ITN last night	***54***	69	55%		44					81
Classification										
Child correctly classified for main symptoms	***95***	79			98					62
Treatment										
Severe cases correctly managed	***38***	8	41%		38	65	73	39	n/a	64
Child with pneumonia correctly treated	***70***	63	76%	35	24	73	93	73	28	68
Child with dehydration correctly treated	***33***	77	33%	81	27	40	50	60	n/a	60
Child with malaria correctly treated	***49***	42	47%	93	n/a	68	n/a	71	n/a	72
Children needing an oral antibiotic and/or an oral antimalarial is prescribed it correctly	***68***	80	35%		57.3	58	73	60	31	48
Child receives first dose of treatment at facility	***50***	30	23		48.1	45	62	60	6	31
Children needing vaccinations who leave the facility with all needed vaccinations	***48***	54	21%	6	70	85	76	13	88	13
Children not needing antibiotics leaving the facility without antibiotics			36%		91					14
Counseling										
Children prescribed oral antibiotic and/or ORS whose caretakers is advised on how to give the treatment before leaving the facility	***85***	86	42%	39	49.1	65	72	90	0	47
Caretaker of child who is prescribed ORS, and/or oral antibiotic and/or anti malarial and knows how to give treatment	***65***	81	52%		68	71	67	67	91	50
Caretaker knows at least 2 signs for seeking care	***37***	34	26%	27	30					28
Sick child whose caretaker is advised on when to return immediately	***23***	51	30%	20	9.4	17	51	57	15	19
Child with very low weight whose caretaker received correct counseling	***40***	9	38%		43.6	17	80	60	33	44
Caretaker of sick child is advised to give extra fluids and continue feeding	***46***	10	39%		10					
Health worker used IMCI chart booklet at any time	***66***	37	77%	61	70					41
Child leaving the facility whose caretaker was given or shown a mother's card (counseling tool)	***15***	8	0%		n/a	16	0	42	9	51
Caretaker of sick child is advised on her own health	***13***	5	3%		n/a					

Health system component	ZIM ('07)	KEN ('06)	NIG ('06)	SEN ('06)	MOZ ('05)	MAL('04)	SOA ('03)	TAN ('03)	BOT ('03)	ZAM('01)
Caretakers satisfied with the child health care services										
Health facilities with at least 60% of health workers managing sick children trained in IMCI	*54*	30	27%		N/A	59	n/a	4	3	26
Index of availability of 8 essential oral treatments (mean)	*5.1*		2.4	0.6		5.2	6.7	5.6	5.2	81
Index of availability of 3 essential injectable drugs for pre-referral treatment	*2.8*		2.7		2.4					65
Availability of oral medicines										
ORS	*6*	92			92.4					
Cotrimoxazole	*94*	94			92.4					
Amoxicillin	*46*				78.6					
Nalidixic acid	*49*				87.1					
Chloroquin	*97*				87.1					
Sulfadoxine pyrimethamin (SP)	*94*				88.6					
Althemeter-Lumefantrine	*n/a*	84			N/A					
Vitamin A	*89*	98			85.1					
Iron and folate	*63*				97					
Paracetamol	*86*	96			95.7					
Mebendazole	*29*	96			98.5					
Availability of injectable druas for pre-referral treatment										
Chloramphenicol		52								
Kanamycin	*86*	n/a								
Quinine	*94*	98			63.1					
Benzylpenicillin	*97*	72			83.3					
Gentamycin		88								
Diazepam	*89*									
Availability of other injectable druas/ products										
Oxytocin	*54*	n/a			N/A					
Ergometrin	*26*	n/a			N/A					
Sterile water for injection	*83*				N/A					
Recommended IV fluid for severe dehydration	*43*				N/A					
Availability of vaccines and equipments										
BCG	*94*	96			87					
OPV	*97*	96			87					
DPT	*97*	98			DTP/HepB 88.5					
Measles	*97*	96			95					
TT	*97*	98			87					
HepB	*97*	n/a								
DT	*97*	n/a								
Health facilities have all 7 vaccines available	*86*	96 (5 vacc)								
Index of availability of 7 vaccines (mean)	*6.7*	n/a								
Index of availability of 4 vaccines (mean)	*3.8*	3.9	3.7	4.3 (5 vacc	2.8	1.4	3.6	1.4	1.5	3.4
Functioning fridge	*91*	96			97					
Health facilities have needles and autodisable syringes for vaccination	*100*	92			41	90	93	76	69	
Availability of equipment and materials										
Source of clean water	*86*	76								
Thermometer	*83*	80								
Supplies to mix ORS	*53*									
Ingredients to prepare SSS	*32*									
IMCI chart booklet	*91*	58	29	80	74.6					
Giemsa stock	*23*									
Blood slides	*79*									
Malaria rapid tests	*33*									
Supervision										
Health facility received at least one supervisory visit that included observation of -case management during the previous six months (excluding follow-up after training visits)	*11*	22	38	20	34					53