Work Plan for the Study of 700 Children from Mirpur, Dhaka, Bangladesh														
Clinic Visit # (child also home visited	1	2	3	4	5	6	7	8	9	10	11	12	13-15	16
2x/weekly) Target visit schedule (age in weeks)	0	6 wks	10 wks	12 wks	14	17 wks	18 wks	24 wks	39 wks	40 wks	52 wks	53 wks	65, 78, 91 wks	104 wks
EPI Vaccinations + Rotarix (-) Rotarix +/- IPV	BCG	Penta OPV	Penta OPV Rota	wks	Penta OPV	Rota	wks	WKS	OPV IPV OPV	Measles Rubella	OPV	WKS	Wk 65 Measle	WKS
			Penta OPV			None			IPV				S	
Infant blood draws		2cc					2cc	HS		2cc		3сс		5cc
Infant baseline stool sample	Х													
Breast milk IgA: polio & rotavirus		Х												
Maternal serum neutralizing antibody:		5cc												
polio					Polioviru	s Vaccir	ne Measure	es						
Antibody in lymphocyte		Х								Х				
supernatant (ALS) Faecal IgA (all 3						.,						.,		
virus types) Faecal excretion		X			_	Х				Х		Х		
vaccine virus Faecal cytokines		XX			XXX						XXX			
Serum neutralizing		X					Х			X		Х		
antibody Saliva swab for polio		-					-			<u> </u>		X		Х
lgA					Rotaviru	s Vaccin	e Measure	es						
Rotavirus diarrhea Continuous Diarrhea Surveillance and Testing for Rotavirus Diarrhea														
Antibody in lymphocyte supernatant (ALS)		Х					Х							
Faecal IgA Faecal excretion		Х	XX			XXX	Х							
vaccine virus Faecal cytokines			XX			7001								
Serum IgA		Х					Х	Х						
T Cell-mediated immunity:												Х		
Phosphoflow Tetramer-Flow		Х					Х			Χ				Х
Cytometry ICS/CytoF*		X*					X X*			X X*				X
csSAM		Λ								Λ		Χ		
			T		System	ic Vaccir	ne Measure	е		I	ı	ı		
Serum tetanus IgG; saliva tetanus and measles IgA							X					Х		Х
		_	T		Nutri	itional M	easures	1		I		ı		
Gestational Age Assessment	Х	X-c												
Anthropometry (HAZ,WAZ)	Х	X-m	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	XXX	Х
RBP, Vitamin D, zinc, ferritin		Х					Х							
Hematocrit					Tropical	intereset	thy Measu	X						
Lactulose-mannitol				X	. i opical E	eropai	y weasu	X						Х
ratio urine Serum □-LPS,CRP		X					X	^		X		X		X
Small intestine													week	X
bacterial overgrowth					01	her Mea	Sures						78	^
Diarrhea					U	ei wea	Jui C3							
Surveillance (etiologic agents & severity) & Breast	Household and Clinic Continuous Monitoring for Entire Study Duration													
Feeding Duration Gut Microbiome (subset of	Specimens taken from scheduled stool samples and episodic diarrheal samples													
responders/non- responders) Child's HLA (and	epositions taken from sofieduled stool samples and episodic diarrilear samples													
store mother/ child DNA for future study of genome polymorphisms)		X- c X- m												
Cognitive Function							1						Week	Х
Assessment (infants)  Maternal depression and intelligence (mothers)													78	Х
*If sufficient p	eriphe	ral bloo	d mononucl	ear cell	s availak	le for f	reezing.			ı	1	ı		