

## Supplementary 2. Summary of study procedures

		Intensive challenge period (14 days)						Diagnosed with paratyphoid			Follow-up visits	
	screening	D0	+12H	D1, D2, D3, D4, D5, D6	D7	D8, D9, D10, D11, D12,D13	D14	PD	+12H	+24,+48, +72,+96H	D28	D90, 180, 365
Informed consent	x											
Revalidation of consent		x										
Obtain 24 hr contact details		x										
Medical history	x											
Interim medical history		x	x	x	x	x	x	x	x	x	x	x
Physical examination	x	x						x				
Vital signs	x	x	x	x	x	x	x	x	x	x	x	
Urine pregnancy test	x	x					x	x				
Urine sample	x	x		x	x	x	x	x		x		x
Saliva sample		x		x	x	x	x	x		x		x
Stool sample		x		x	x	x	x	x		x		x
Blood sample	x	x	x	x	x	x	x	x	x	x	x	x
12 lead ECG	x											
Ultrasound scan	x											
Mood assessment	x	x			x		x	x				
Challenge with S. Paratyphi		x										
Issue study pack	x	x										
eDiary entries*				x	x	x	x	x	x	x	x	
Commence antibiotics							x	x				
Notification of public health and GP**		x										
Letter informing close contacts	x						x					
Letter to close contacts offering screening											x	

\*eDiary will be open from day 0-21 for temperature and symptom recordings.

\*\*The local Public Health England Unit and the participant's GP will be contacted on challenge and on completion of stool clearance samples. GPs will receive an additional letter when a participant has started antibiotic treatment.