

Supplementary appendix

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Supplement to: McClure EM, Saleem S, Goudar SS, et al. The causes of stillbirths in south Asia: results from a prospective study in India and Pakistan (PURPOSe). *Lancet Glob Health* 2022; **10**: e970–77.

Most common pathogens in placental samples and cord blood		Most common pathogens in fetus*	
PCR Results Available, n/N	603/611 (98·7)	PCR Results Available, n/N	441/611 (72·2)
Ureaplasma urealyticum and/or parvum	233 (38·6)	Ureaplasma urealyticum and/or parvum	27 (6·1)
Escherichia coli and/or Shigella species	79 (13·1)	Escherichia coli and/or Shigella species	21 (4·8)
Staphylococcus aureus	47 (7·8)	Staphylococcus aureus	8 (1·8)
Candida albicans	38 (6·3)	Acinetobacter baumanii	7 (1·6)
Streptococcus agalactiae (Group B Streptococcus)	36 (6·0)	Parvovirus B19 (human parvovirus)	7 (1·6)
Enterococcus facium	35 (5·8)	Streptococcus agalactiae (Group B Streptococcus)	6 (1·4)
Klebsiella pneumoniae	27 (4·5)	Human cytomegalovirus	5 (1·1)
Human cytomegalovirus	20 (3·3)	One or more species within the Rickettsia genus	5 (1·1)
Acinetobacter baumanii	19 (3·2)	One or more enterovirus serotypes with the Enterovirus genus	4 (0·9)
Parvovirus B19 (human parvovirus)	10 (1·7)	Klebsiella pneumoniae	4 (0·9)

*Samples include liver, lung (right & left), brain/central nervous system, cerebral spinal fluid, and whole blood.

Supplemental Table S1. Pathogens identified by TAC PCR

	Macerated	Non-macerated
Stillbirths with cause of death determination, n/N	357/611	254/611
Maternal primary cause	357	254
Eclampsia/preeclampsia or other hypertensive disorder, n (%)	118 (33·1)	103 (40·6)
Maternal anemia, n (%)	39 (10·9)	27 (10·6)
Maternal infectious and parasitic disease, n (%)	22 (6·2)	8 (3·1)
Diabetes, n (%)	15 (4·2)	7 (2·8)
Preterm labor, n (%)	2 (0·6)	0 (0·0)
Complications of caesarean section, n (%)	1 (0·3)	0 (0·0)
Other maternal complications of pregnancy, n (%)	22 (6·2)	16 (6·3)
Other complications of labor and delivery, n (%)	6 (1·7)	25 (9·8)
No maternal cause identified, n (%)	132 (37·0)	68 (26·8)
Placental primary cause	357	254
Placenta malperfusion, n (%)	185 (51·8)	104 (40·9)
Chorioamnionitis and/or funisitis, n (%)	61 (17·1)	27 (10·6)
Placenta previa or abruption, n (%)	29 (8·1)	65 (25·6)
Cord complication, n (%)	0 (0·0)	1 (0·4)
Other complications of placenta, cord and membranes ² , n (%)	34 (9·5)	22 (8·7)
No placental cause identified, n (%)	48 (13·4)	35 (13·8)
Fetal primary cause	357	254
Intrauterine hypoxia, n (%)	245 (68·6)	192 (75·6)
Congenital infections, n (%)	57 (16·0)	21 (8·3)
Congenital malformations, deformations or chromosomal abnormalities, n (%)	8 (2·2)	15 (5·9)
Growth disorders, n (%)	10 (2·8)	11 (4·3)
Fetal hemorrhage, n (%)	2 (0·6)	1 (0·4)
Intraventricular hemorrhage of the fetus, n (%)	1 (0·3)	0 (0·0)
Hemolytic disease of the fetus, n (%)	0 (0·0)	1 (0·4)
Other, n (%)	0 (0·0)	1 (0·4)
No fetal cause identified, n (%)	34 (9·5)	12 (4·7)

*Samples include liver, lung (right & left), brain/central nervous system, cerebral spinal fluid, and whole blood.

Supplemental Table S2. Primary causes of death by maceration status

We thank the PURPOSE Cause of Death Panelists

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