Supplemental Digital Content 1: CONSORT flow diagram showing selection of infants for rotavirus sub-study and subsequent enteropathogen analysis.

1 No sample available, insufficient post-vaccine sample or assay failure
2 Insufficient or no pre-vaccine sample available

Abbreviations: RVV = oral rotavirus vaccine; TAC = TaqMan array card

**SHINE trial**
5280 pregnant women enrolled

- Enrollment error (10)
- Exited/lost to follow up (139)
- Maternal death (4)
- Pregnancy loss (350)
- Mother HIV-status positive (726) or unknown (114)

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**2066 WASH Infants**
HIV unexposed

- Not enrolled for specimen collection (927)
- Born before national roll out of RVV (637)
- No plasma sample available before 6m age (131)
- No RVV receipt (9)
- No post-RVV titre\(^1\) (33)
- No stool sample <6m (136)
- Non-consent to stool (0)
- No stool collected +/-30d RVV dose 1 (91)
- Low stool vol. for TAC (20)

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**1923 Non-WASH infants**
HIV unexposed

- Not enrolled for specimen collection (763)
- Born before national roll out of RVV (493)
- No plasma sample available before 6m age (156)

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371 infants with RVV immunogenicity data

82 infants with available TAC & RVV seropositivity/IgA GMT data

- No pre-vaccine titre\(^2\) (37)

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45 infants with available TAC & RVV IgA seroconversion data

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511 infants with RVV immunogenicity data

142 infants with available TAC & RVV seropositivity/IgA GMT data

- No RVV receipt (9)
- No post-RVV titre\(^1\) (30)
- No stool sample <6m (180)
- Non-consent to stool (1)
- No stool collected +/-30d RVV dose 1 (125)
- Low stool vol. for TAC (24)

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94 infants with available TAC & RVV IgA seroconversion data

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**371 infants with RVV immunogenicity data**

2066 WASH Infants
HIV unexposed

- No pre-vaccine titre\(^2\) (37)

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82 infants with available TAC & RVV seropositivity/IgA GMT data

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45 infants with available TAC & RVV IgA seroconversion data

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142 infants with available TAC & RVV seropositivity/IgA GMT data

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