Supplementary Table 4: Summary statistics (Crude Rate and ratio ${ }^{\text {a }}$ ), for primary outcomes, by facility type and study phase and estimated incidence rate ratios for intervention, facility type and their interaction

| Outcome | Facility Type | Control phase | Intervention phase | Intervention ${ }^{\text {b }}$ |  | Facility type ${ }^{\text {b }}$ |  | Interaction ${ }^{\text {b }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Adjusted IRR (95\% CI) | p- <br> value | Adjusted IRR (95\% CI) |  | Adjusted IRR (95\% CI) |  |
| Stillbirths <br> Stillbirth rate (per 1,000 <br> births) | Basic | $\begin{gathered} 7.53 \\ (266 / 35,342) \end{gathered}$ | $\begin{gathered} 8.07 \\ (304 / 37,685) \end{gathered}$ | $\begin{gathered} 0.91 \\ (0.71,1.18) \end{gathered}$ | 0.50 | $\begin{gathered} 2.60 \\ (1.97,3.44) \end{gathered}$ | <0.001 | $\begin{gathered} 1.07 \\ (0.85,1.35) \end{gathered}$ | 0.57 |
|  | Comprehensive | $\begin{gathered} \hline 27.8 \\ (5,263 / 189,307) \end{gathered}$ | $\begin{gathered} 26.9 \\ (4,611 / 171,249) \end{gathered}$ |  |  |  |  |  |  |
| Newborns <br> Early Neonatal Death Rate (per 1,000 live births) | Basic | $\begin{gathered} 1.56 \\ (55 / 35,076) \end{gathered}$ | $\begin{gathered} 1.50 \\ (56 / 37,381) \end{gathered}$ | $\begin{gathered} 1.02 \\ (0.48,2.16) \end{gathered}$ | 0.96 | $\begin{gathered} 5.18 \\ (2.66,10.1) \end{gathered}$ | <0.001 | $\begin{gathered} 1.03 \\ (0.47,2.25) \end{gathered}$ | 0.93 |
|  | Comprehensive | $\begin{gathered} \hline 10.8 \\ (1,983 / 184,044) \end{gathered}$ | $\begin{gathered} \hline 11.3 \\ (1,877 / 166,638) \end{gathered}$ |  |  |  |  |  |  |
| Maternal Institutional maternal | Basic | $\begin{gathered} 3.0 \\ (1 / 33,422) \end{gathered}$ | $\begin{gathered} 5.5 \\ (2 / 36,328) \end{gathered}$ | $\begin{gathered} 1.57 \\ (0.17,14.4) \end{gathered}$ | 0.69 | $\begin{gathered} 18.2 \\ (2.8,121) \end{gathered}$ | 0.003 | $\begin{gathered} 0.78 \\ (0.09,7.01) \end{gathered}$ | 0.83 |
| mortality ratio (iMMR) (per 100,000 live births) | Comprehensive | $\begin{gathered} 83.3 \\ (153 / 183,712) \end{gathered}$ | $\begin{gathered} 100.4 \\ (165 / 164,367) \end{gathered}$ |  |  |  |  |  |  |
| Direct obstetric case fatality rate (per 100 complications) | Basic | $\begin{gathered} 0.03 \\ (1 / 3,214) \end{gathered}$ | $\begin{gathered} 0.07 \\ (2 / 2,922) \end{gathered}$ | $\begin{gathered} 1.11 \\ (0.10,12.43) \end{gathered}$ | 0.93 | $\begin{gathered} 13.8 \\ (1.92,99.1) \end{gathered}$ | 0.009 | $\begin{gathered} 1.04 \\ (0.08,12.8) \end{gathered}$ | 0.98 |
|  | Comprehensive | $\begin{gathered} 0.80 \\ (153 / 19,073) \end{gathered}$ | $\begin{gathered} 0.97 \\ (164 / 16,980) \end{gathered}$ |  |  |  |  |  |  |

a Unadjusted statistics aggregated across all facilities and months within phase and facility type to derive crude incidence rates
b Estimates are derived from mixed effects negative binomial models in which month of study, facility type, monthly numbers of births ( $\leq 30$, 31-160 or $>160$ ) and the interaction between intervention and facility type were included as fixed effects, with random effects for District and facility

