

**SUPPLEMENT TITLE:**

*Every Newborn BIRTH multi-country validation study: informing measurement of coverage and quality of maternal and newborn care*

**PAPER TITLE:**

**Barriers and enablers to routine register data collection for newborns and mothers: EN-BIRTH multi-country validation study**

*Additional File 16: Estimated minutes between care and documentation by indicator, care-documentation checklist, EN-BIRTH study*

|                 |                                | Estimated time in minutes between care and documentation |                        |                        |                       |                          |               |
|-----------------|--------------------------------|----------------------------------------------------------|------------------------|------------------------|-----------------------|--------------------------|---------------|
| Indicator       |                                | Azimpur BD<br>Tertiary                                   | Kushtia BD<br>District | Pokhara NP<br>Regional | Temeke TZ<br>Regional | Muhimbili TZ<br>National | All hospitals |
| Health workers  | Uterotonics                    | 11                                                       | 26                     | N/A                    | 39                    | 16                       | 23            |
|                 | Neonatal Resuscitation         | 11                                                       | 16                     | N/A                    | 23                    | 18                       | 17            |
|                 | Breastfeeding                  | 9                                                        | 18                     | N/A                    | 22                    | 28                       | 19            |
|                 | All indicator hospital average | 10                                                       | 20                     | N/A                    | 28                    | 20                       | 19            |
| Data collectors | Uterotonics                    | 9                                                        | 27                     | N/A                    | 37                    | 31                       | 26            |
|                 | Neonatal Resuscitation         | 9                                                        | 19                     | N/A                    | 26                    | 32                       | 21            |
|                 | Breastfeeding                  | 8                                                        | 22                     | N/A                    | 26                    | 39                       | 24            |
|                 | All indicator hospital average | 9                                                        | 22                     | N/A                    | 30                    | 34                       | 24            |