### Supplemental Table S1 – Missing Data by Race/Ethnicity

| Characteristic | Cohort (n=415) | White/ Asian (n=90) | Black (n=212) | Hispanic (n=113) |
|----------------|----------------|---------------------|---------------|------------------|
| **Demographic Factors** | | | | |
| Maternal age (years) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Low socioeconomic status (WIC) | 4 (1.0%) | 2 (2.2%) | 1 (0.5%) | 1 (0.9%) |
| Married | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Highest education completed | 4 (1.0%) | 0 (0%) | 3 (1.4%) | 1 (0.9%) |
| Number of children in household | 8 (1.9%) | 2 (2.2%) | 3 (1.4%) | 3 (2.7%) |
| **Social Factors** | | | | |
| Initial goal for any MOM | 3 (0.7%) | 0 (0%) | 1 (0.5%) | 2 (1.8%) |
| Breastfeeding support | 19 (4.6%) | 2 (2.2%) | 11 (5.2%) | 6 (5.3%) |
| Previous breastfeeding experience | 3 (0.7%) | 0 (0%) | 1 (0.5%) | 2 (1.8%) |
| Maternal Smoking | 1 (0.2%) | 0 (0%) | 0 (0%) | 1 (0.9%) |
| **Neighborhood Structural Factors** | | | | |
| Access to a car | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| **Maternal Health and Infant Factors** | | | | |
| Multiple gestation | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Pre-eclampsia/eclampsia | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Premature rupture of membranes | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Placental abruption | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Non-pregnancy delivery factors | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Infant male sex | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Infant gestational age (weeks) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Infant small for gestational age | 5 (1.2%) | 3 (3.3%) | 2 (0.9%) | 0 (0%) |
| 5 minute APGAR score | 2 (0.5%) | 1 (1.1%) | 0 (0%) | 1 (0.9%) |
| **MOM Pumping Factors** | | | | |
| Mean daily pumping frequency* | 206 (49.6%) | 34 (37.8%) | 136 (64.2%) | 36 (31.9%) |
| Coming to volume by day 14* | 207 (49.9%) | 34 (37.8%) | 136 (64.2%) | 37 (32.7%) |
| **MOM Provision** | | | | |
| Ever provided MOM | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| MOM feeding at NICU discharge | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| **Total Number of Missing Variables*** | | | | |
| 0 | 202 (48.7%) | 53 (58.9%) | 74 (34.9%) | 75 (66.4%) |
| 1 | 6 (1.4%) | 3 (3.3%) | 2 (0.9%) | 1 (0.9%) |
| 2 | 180 (43.4%) | 29 (32.2%) | 121 (57.1%) | 30 (26.5%) |
| 3 | 20 (4.8%) | 3 (3.3%) | 13 (6.1%) | 4 (3.5%) |
| 4 | 4 (1.0%) | 2 (2.2%) | 1 (0.5%) | 1 (0.9%) |
| 5-8 | 3 (0.7%) | 0 (0%) | 1 (0.5%) | 2 (1.8%) |

* p < .001 for differences by race/ethnicity (i.e., after Bonferroni adjustment for multiple tests)
MOM: mother’s own milk, NICU: neonatal intensive care unit, WIC: Special Supplemental Nutrition Program for Women, Infants and Children
Data are presented as n (%)
### Supplemental Table S2 Characteristics for Mothers with and without Complete Data

| Characteristic                                      | Complete Data (n=202) | Imputed Data (n=213) |
|-----------------------------------------------------|-----------------------|----------------------|
| **Demographic Factors**                             |                       |                      |
| Maternal age (years)†                                | 29.0 (6.2)            | 25.5 (6.3)           |
| Low socioeconomic status (WIC eligible) (n=411)†     | 122 (60.4%)           | 183 (87.6%)          |
| Married†                                            | 106 (52.5%)           | 52 (24.4%)           |
| Race/ethnicity‡                                      |                       |                      |
| White/Asian                                         | 53 (26.2%)            | 37 (17.4%)           |
| Black                                               | 75 (37.1%)            | 38 (17.8%)           |
| Hispanic                                            | 74 (36.6%)            | 138 (64.8%)          |
| Highest education completed (n=411)‡‡               |                       |                      |
| <High School                                        | 27 (13.4%)            | 42 (20.1%)           |
| High School                                         | 49 (24.3%)            | 62 (29.7%)           |
| Trade or <BA/BS                                      | 73 (36.1%)            | 80 (38.3%)           |
| BA/BS or higher                                      | 53 (26.2%)            | 25 (12.0%)           |
| Number of children in household (n=407)‡*           | 1.9 (1.3)             | 2.3 (1.6)            |
| **Social Factors**                                  |                       |                      |
| Initial Goal for Any MOM (n=412)‡*                  | 190 (94.1%)           | 183 (87.1%)          |
| Breastfeeding support from mother’s mother (n=396)‡ | 85 (42.1%)            | 88 (45.4%)           |
| Previous breastfeeding experience (n=412)‡          |                       |                      |
| No (Primiparous)                                    | 114 (56.4%)           | 106 (50.5%)          |
| No (Multiparous)                                    | 28 (13.9%)            | 48 (22.9%)           |
| Yes                                                 | 60 (29.7%)            | 56 (26.7%)           |
| Maternal Smoking                                    | 49 (24.3%)            | 71 (33.5%)           |
| **Neighborhood Structural Factors**                 |                       |                      |
| Access to a car†                                     | 168 (83.2%)           | 147 (69.0%)          |
| **Maternal Health and Infant Factors**              |                       |                      |
| Condition                                | Control Group | Treatment Group |
|-----------------------------------------|---------------|-----------------|
| Multiple gestation*                     | 37 (18.3%)    | 23 (10.8%)      |
| Pre-eclampsia/eclampsia                | 49 (24.3%)    | 62 (29.1%)      |
| Premature rupture of membranes\(b^*\)  | 57 (28.2%)    | 42 (19.7%)      |
| Placental abruption\(b^*\)            | 11 (5.4%)     | 23 (10.8%)      |
| Non-pregnancy delivery factors\(b^{**}\)| 1 (0.5%)      | 10 (4.7%)       |
| Infant male sex                        | 90 (44.6%)    | 103 (48.4%)     |
| Infant gestational age (weeks)          | 27.8 (2.5)    | 28.2 (2.4)      |
| Infant small for gestational age        | 37 (18.3%)    | 47 (22.6%)      |
| 5 minute APGAR score (n=413)\(a\)      | 7.6±1.5       | 7.6±1.6         |

### MOM Pumping Factors

| Description                                               | Control Group | Treatment Group |
|-----------------------------------------------------------|---------------|-----------------|
| Mean daily pumping frequency (first 14 days) \(n=209\)\(a\) | 4.5 (1.3)     | 4.2 (1.5)       |
| Coming to volume by day 14 \(n=208\)\(a\)               | 81 (40.1%)    | 2 (33.3%)       |

### MOM Provision

| Description                                       | Control Group | Treatment Group |
|---------------------------------------------------|---------------|-----------------|
| Ever provided MOM\(^{**}\)                        | 202 (100%)    | 203 (95.3%)     |
| MOM provision at NICU discharge\(\d\)             | 105 (52.0%)   | 31 (14.6%)      |

BA/BS: Bachelor of Arts/Science; MOM: mother’s own milk; NICU: neonatal intensive care unit; WIC: Special Supplemental Nutrition Program for Women, Infants and Children.

Data are presented as mean (SD) or n (%).

\(^* p<.05; ^{**} p<.01; ^{\d} p<.001\)

\(^a\) Denotes number of subjects with complete data when data was missing for some subjects.

\(b\) Included in imputation model only due to significant association with missingness.