

MOM INITIATIVE MEASUREMENT GRID

These measures will be calculated and reported to the hospitals in a quality improvement data report on a monthly basis so that facilities can track their progress. These measures are subject to small changes.

Note:

- Inclusion: VLBW (≤ 1500 g birth weight)
- Exclusions:
 - MOM is contraindicated (e.g., HIV, certain drugs)
 - Expired or transferred out of facility ≤ 24 hours of life
 - Transferred in to facility at $>DOL 7$
- A data collection sheet should be completed for every infant who meets inclusion criteria.
 - For mothers who *do not* intend to provide MOM, only the following data collection is required: sex, gestational age, maternal ethnicity, maternal race, date of birth, growth parameters at birth, and mother's intent to provide MOM.
 - **For mothers who *do* intend to provide MOM, complete data collection is required. These infants are considered "included" infants.**
 - If an infant expires or is transferred out of facility prior to a data collection time-point, select the "NA" option. If "NA" is selected for a measure, it will not be included in the denominator for that measure.
- Growth parameters (i.e., weight, head circumference) should be plotted on the Fenton growth curve by the individual hospitals.
- Goals for each of these measures are to be decided on by the collaborative of participating hospitals after baseline data has been analyzed.
- Data should be submitted electronically into FPQC de-identified database on a rolling basis when each data collection sheet is complete.

| # | Process measures | Description | Requires |
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| 1 | Mother's documented intent to provide MOM | <i>Numerator:</i> Number of infants where mother's intent to provide MOM was documented <i>Denominator:</i> Total number of included infants | Intent to provide MOM is documented in the medical record. |
| 2 | Lactation assessment ≤ 24 hours of NICU admission | <i>Numerator:</i> Number of infants where lactation assessment was conducted ≤ 24 hours of NICU admission <i>Denominator:</i> Total number of included infants | Lactation assessment is documented in the medical record or reported by mother. |
| 3 | Availability of a hospital grade pump at maternal discharge | <i>Numerator:</i> Number of infants where hospital grade pump was available at maternal discharge <i>Denominator:</i> Total number of included infants | Availability of hospital grade pump at maternal discharge is documented in the medical record or reported by mother. |

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| 4 | First pumping session by the infant's 6th hour of life (HOL) | <p><i>Numerator:</i> Number of infants where mother's 1st pumping session occurred by the infant's 6th hour of life</p> <p><i>Denominator:</i> Total number of included infants</p> | Mothers have 1 st pumping session by the infant's 6 th hours of life documented in the medical record or reported by mother. |
| 5 | Availability of MOM ≤72 HOL for the infant | <p><i>Numerator:</i> Number of infants where MOM is available ≤72 HOL for the infant</p> <p><i>Denominator:</i> Total number of included infants</p> | Infants have MOM available ≤72 HOL documented in the medical record. |
| 6 | Non-nutritive breastfeeding documented | <p><i>Numerator:</i> Number of infants where non-nutritive breastfeeding was documented</p> <p><i>Denominator:</i> Total number of included infants where mother intends to perform non-nutritive breastfeeding</p> | <ul style="list-style-type: none"> • Mother's desire to perform non-nutritive breastfeeding documented in the medical record. • Infants whose mothers intend to perform non-nutritive breastfeeding have non-nutritive breastfeeding documented in the medical record. |
| 7 | Skin-to-skin care at ≤10 days of life (DOL) | <p><i>Numerator:</i> Number of infants where skin-to-skin care was documented at ≤10 DOL</p> <p><i>Denominator:</i> Total number of included infants where mother intends to perform skin-to-skin care</p> | <ul style="list-style-type: none"> • Mother's desire to have skin-to-skin care documented in the medical record. • Infants whose mothers intend to have skin-to-skin care have skin-to-skin care at ≤10 DOL documented in the medical record. |
| 8 | Average infant feeding volume of MOM on each of the following DOL: 7, 14, 28, and/or initial disposition | <p><i>Numerator:</i> Average infant feeding volume <i>that is</i> MOM on each of the following DOL: 7, 14, 28, and/or initial disposition</p> <p><i>Denominator:</i> Average infant feeding volume on the each of the following DOL: 7, 14, 28, and/or initial disposition for included infants</p> <p><i>Average infant feeding volume (ml) = MOM volume (ml) + Donor human milk volume (ml) + formula volume (ml)</i></p> | Feeding substrate volumes (i.e., MOM, donor human milk, formula) are documented in the medical record for each of the following DOL: 7, 14, 28, and/or initial disposition. |

| # | Outcome measures | Description | Requires |
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| 1 | MOM pumped volume is ≥500 ml on each of the following DOL: 7, 14, 28, and/or initial disposition | <p><i>Numerator:</i> Number of infants where MOM pumped volume is ≥500ml on each of the following DOL: 7, 14, 28, and/or initial disposition</p> <p><i>Denominator:</i> Total number of included infants</p> | MOM pumped volume is documented in the medical record. |
| 2 | Infant feeding comprised of ≥50% MOM on each of the following DOL: 7, 14, 28, and/or initial disposition | <p><i>Numerator:</i> Number of infants where feeding is comprised of ≥50% MOM on each of the following DOL: 7, 14, 28, and/or initial disposition</p> <p><i>Denominator:</i> Total number of included infants</p> | Feeding substrate volumes (i.e., MOM, donor human milk, formula) are documented in the medical record for each of the following DOL: 7, 14, 28, and/or initial disposition. |
| 3 | Nutritive breastfeeding session occurs at ≤7 days of infant initial disposition | <p><i>Numerator:</i> Number of infants with a nutritive breastfeeding session at ≤7 days of infant initial disposition</p> <p><i>Denominator:</i> Total number of included infants where mother intends to put the baby to breast</p> | <ul style="list-style-type: none"> • Mother's desire to perform nutritive breastfeeding documented in the medical record. • Nutritive breastfeeding session at ≤7 days of infant initial disposition is documented in the medical record. |
| 4 | Intention to provide MOM | <p><i>Numerator:</i> Number of infants where mother made the informed decision to provide MOM</p> <p><i>Denominator:</i> Total number of <i>all</i> VLBW infants where MOM is not contraindicated</p> | <ul style="list-style-type: none"> • Mother's intention to provide MOM is documented in the medical record. • Mother received education and/or information on providing MOM and/or her informed decision was documented in the medical record. |
| 5 | Receipt of ≥50% MOM for feeds at infant initial disposition | <p><i>Numerator:</i> Number of infants receiving ≥50% MOM for feeds at infant initial disposition</p> <p><i>Denominator:</i> Total number of <i>all</i> VLBW infants where MOM is not contraindicated</p> | Feeding substrate volumes (i.e., MOM, donor human milk, formula) are documented in the medical record on the day of initial disposition |

| # | Balancing measures | Description | Requires |
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| 1 | Percent of extra-uterine growth restriction at initial disposition ($\leq 3^{\text{rd}}$ percentile on the Fenton growth curve) for weight | <i>Numerator:</i> Number of infants $\leq 3^{\text{rd}}$ percentile on the Fenton growth curve for weight at initial disposition <i>Denominator:</i> Total number of included infants | Infant initial disposition weight documented in the medical record. |
| 2 | Percent of extra-uterine growth restriction at initial disposition ($\leq 3^{\text{rd}}$ percentile on the Fenton growth curve) for head circumference | <i>Numerator:</i> Number of infants $\leq 3^{\text{rd}}$ percentile on the Fenton growth curve for head circumference at initial disposition <i>Denominator:</i> Total number of included infants | Infant initial disposition head circumference documented in the medical record. |
| 3 | Necrotizing enterocolitis (NEC; according to VON definition) | <i>Numerator:</i> Number of infants having a diagnosis of NEC <i>Denominator:</i> Total number of included infants | NEC diagnosis using VON definition is documented in the medical record. |
| 4 | Average infant feeding volume of formula on each of the following DOL: 7, 14, 28, and/or initial disposition | <i>Numerator:</i> Average infant feeding volume <i>that is formula</i> on each of the following DOL: 7, 14, 28, and/or initial disposition <i>Denominator:</i> Average infant feeding volume on the each of the following DOL: 7, 14, 28, and/or initial disposition for included infants | Feeding substrate volumes (i.e., MOM, donor human milk, formula) are documented in the medical record for each of the following DOL: 7, 14, 28, and/or initial disposition. |
| 5 | Average infant feeding volume of donor human milk on each of the following DOL: 7, 14, 28, and/or initial disposition | <i>Numerator:</i> Average infant feeding volume <i>that is donor human milk</i> on each of the following DOL: 7, 14, 28, and/or initial disposition <i>Denominator:</i> Average infant feeding volume on the each of the following DOL: 7, 14, 28, and/or initial disposition for included infants | Feeding substrate volumes (i.e., MOM, donor human milk, formula) are documented in the medical record for each of the following DOL: 7, 14, 28, and/or initial disposition. |