Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.
eAppendix 1. Gestational Age Hierarchy

The gestational age hierarchy is described below. Briefly, if an ultrasound (US) measurement before 16 weeks gestation is available, then that measurement is used to estimate gestational age. If US is only available after 16 weeks gestation, then self-reported last menstrual period (LMP) is used to as long as there is only a limited discrepancy between the LMP and US estimates. If no US estimates are available to estimate gestational age, then LMP is used, and if neither of those two methods are available, then fundal height is used over a maternal estimate (reported in months).

| Gestational Age | ≤ 8 6/7 weeks | 9 0/7 to 15 6/7 weeks | 16 0/7 to 21 6/7 weeks | 22 0/7 to 27 6/7 weeks | ≥ 28 0/7 weeks |
|-----------------|---------------|------------------------|------------------------|------------------------|----------------|
| US is available and LMP is known and reliable | US GA at birth and LMP and US discrepancy ≤ 7 days: Use US | LMP and US discrepancy ≤ 10 days: Use LMP | LMP and US discrepancy ≤ 14 days: Use LMP | LMP and US discrepancy ≤ 21 days: Use LMP |
| LMP and US discrepancy >5 days: Use US | LMP and US discrepancy >7 days: Use US | LMP and US discrepancy >10 days: Use US | LMP and US discrepancy >14 days: Use US | LMP and US discrepancy >21 days: Use US |
| If LMP is unknown or unreliable | Use US input | Use US input | Use US input | Use US input |
| If US is unavailable | Use LMP input | Use LMP input | Use LMP input | Use LMP input |
| If US is unavailable and LMP is unknown or unreliable; Fundal height is known and reliable | Fundal height measurement available at date of collection → Use fundal height* | Fundal height measurement available at date of collection → Use fundal height* | Fundal height measurement available at date of collection → Use fundal height* | Fundal height measurement available at date of collection → Use fundal height* |
| Fundal height is unknown or unreliable | Fundal height measurement is not available → Use maternal recall of GA in months | Fundal height measurement is not available → Use maternal recall of GA in months | Fundal height measurement is not available → Use maternal recall of GA in months | Fundal height measurement is not available → Use maternal recall of GA in months |

*Preference earliest date of collection if multiple

eAppendix 2. Missing Data Information

The sample for SGA and LBW births do not match the total number of livebirths. Among 2,459 livebirths, there were 477 missing birth weights, 261 from the pause in in-person data collection due to COVID-19. The remaining 216 missing birth weights were due to data collectors not capturing births within seven days for weight measurements or because they were excluded due to being above the 99th percentile of birth weight measurements. There were 555 livebirths missing S/LGA measures with the majority due to missing birth weight data, and the remaining 108 having gestational ages between 43 and <46 weeks gestation, outside of the Intergrowth-21 standards that go up to <43 weeks gestation. (Villar, 2014 #16808; Villar, 2014 #16309)
**eTable 1.** Estimates of Preterm Classifications: Late Preterm 34 to <37 Weeks, Moderately Preterm (32 to <34 Weeks), and Very Preterm (<32 Weeks)

|                         | N   | n  | %   | 95% CI  |
|-------------------------|-----|----|-----|--------|
| Preterm births          | 2459| 371| 15.1| 13.7–16.6 |
| Late preterm (34 to <37 weeks) | 371 | 266| 71.7| 66.9–76.0 |
| Moderately preterm (32 to <34 weeks) | 371 | 62 | 16.7| 13.2–20.9 |
| Very preterm (<32 week) | 371 | 43 | 11.6| 8.7–15.3  |

**eTable 2.** Birth Outcomes Among Singleton Births

|                         | N   | n  | %   | 95% CI  |
|-------------------------|-----|----|-----|--------|
| Singleton births        | 2446|    |     |        |
| Livebirths              | 2446| 2389| 97.7| 97.0–98.2 |
| Preterm birth           | 2389| 347 | 14.5| 13.2–16.0 |
| Low birth weight        | 1951| 154 | 7.9 | 6.8–9.2  |
| Small for gestational age| 1843| 410 | 22.2| 20.4–24.2 |
| Large for gestational age| 1843| 202 | 11.0| 9.6–12.5  |
| Still births            | 2446| 57  | 2.3 | 1.8–3.0  |

**eTable 3.** Neonatal and Perinatal Mortality Among Preterm, Low Birth Weight and Small-for-Gestational Age Newborns Among Singleton Births

|                         | Neonatal mortality | Early neonatal mortality | Late neonatal mortality |
|-------------------------|--------------------|--------------------------|-------------------------|
|                         | N   | n  | %   | 95% CI       | N   | n  | %   | 95% CI       | N   | n  | %   | 95% CI       |
| Singleton live births   | 2341| 66 | 2.8 | 2.2–3.6      | 2355| 44 | 1.9 | 1.4–2.5      | 234 | 22 | 0.9 | 0.6–1.4      |
| Preterm births          | 338 | 19 | 5.6 | 3.6–8.7      | 342 | 12 | 3.5 | 2.0–6.1      | 338 | 7  | 2.1 | 0.9–4.3      |
| Late preterm (34 to <37 weeks) | 243 | 6  | 2.5 | 1.0–5.4      | 247 | 4  | 1.6 | 0.5–4.2      | 243 | 2  | 0.8 | 0.0–3.1      |
| Moderately preterm (32 to <34 weeks) | 56  | 5  | 8.9 | 3.5–19.7     | 56  | 3  | 5.4 | 1.3–15.2     | 56  | 2  | 3.6 | 0.3–12.8     |
| Very preterm (<32 weeks) | 39  | 8  | 20.5| 10.5–35.8    | 39  | 5  | 12.8| 5.1–27.2     | 39  | 3  | 7.7 | 1.9–21.0     |
| Low birth weight births | 152 | 17 | 11.2| 7.0–17.3     | 152 | 11 | 7.2 | 4.0–12.6     | 152 | 6  | 3.9 | 1.6–8.5      |
| Small for gestational age births | 404 | 17 | 4.2 | 2.6–6.7      | 404 | 10 | 2.5 | 1.3–4.6      | 404 | 7  | 1.7 | 0.8–3.6      |
| Perinatal mortality     | 2412| 101| 4.2 | 3.5–5.1      |                |                |                |                |                |
| Neonatal mortality and stillbirths | 2398| 123| 5.1 | 4.3–6.1      |                |                |                |                |                |

**eReferences**

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2. Villar J, Cheikh Ismail L, Victora CG, et al. International standards for newborn weight, length, and head circumference by gestational age and sex: the Newborn Cross-Sectional Study of the INTERGROWTH-21st Project. *Lancet*. Sep 6 2014;384(9946):857-68. doi:10.1016/S0140-6736(14)60932-6

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