# Supplementary Table S1: Subanalysis from literature review (#1): Overview of Study Characteristics of Preterm ADP Assessments

| Authors | Year | Eligibility | Exclusion | n (eligible / assessed) | Eligibility-to-Assessment (%) | Setting |
|---|---|---|---|---|---|---|
| Atchley et al. | 2019 | Infants born <32 weeks GA, clinically stable for ADP | Higher baseline risk for abnormal body composition outcomes | 345 / 36 | 10.4% | NICU |
| Bell et al. | 2019 | Infants born <33 weeks GA; singleton or twins | Major congenital anomalies; multiples beyond twins | 122 / 62 | 50.8% | NICU |
| Bell et al. | 2022 | Infants born <33 weeks GA; singleton or twins | Major congenital anomalies | 136 / 85 | 62.5% | NICU |
| Beunders et al. | 2021 | Infants born <30 weeks GA, admitted to NICU | Congenital anomalies, chromosomal disorders, skeletal dysplasia | 388 / 120 | 30.9% | NICU |
| Binder et al. | 2021 | Infants born <28 weeks GA | Major congenital anomalies, brain malformations, skeletal dysplasia | 139 / 118 | 84.9% | NICU |
| Bruckner et al. | 2020 | Infants born <32 weeks GA | Congenital anomalies, chromosomal/skeletal disorders | 100 / 74 | 74% | NICU |
| Calek et al. | 2023 | Infants born <37 weeks GA | Chromosomal abnormalities, major malformations | 304 / 300 | 98.7% | NICU |
| da Silva Martins et al. | 2018 | Infants born <32 weeks GA | Congenital malformations, | 95 / 67 | 70.5% | NICU |


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| | | | genetic syndromes, severe morbidities | | | |
| Demerath et al. | 2017 | Infants born <37 weeks GA | Congenital anomalies, syndromes affecting growth | 605 / 223 | 36.9% | NICU |
| Gianni et al. | 2015 | Infants born <32 weeks GA, birth weight <1500 g | Major congenital anomalies | 67 / 63 | 94% | NICU |
| Gianni et al. | 2009 | Birth weight <10th percentile for GA | Congenital diseases, chromosomal anomalies | 85 / 67 | 78.8% | NICU |
| Gianni et al. | 2016 | Infants born 34–37 weeks GA | Congenital malformations, genetic syndromes | 572 / 284 | 49.7% | NICU |
| Lach et al. | 2022 | VLBW infants | Not reported | 92 / 57 | 62% | NICU + outpatient |
| Lima et al. | 2022 | Infants born <32 weeks GA | Congenital malformations, infections, chromosomal abnormalities | 114 / 42 | 36.8% | NICU |
| Macedo et al. | 2018 | Infants born <33 weeks GA | Diagnosed genetic syndromes, congenital malformations | 156 / 32 | 20.5% | NICU + outpatient |
| McGee et al. | 2020 | VLBW infants | Serious comorbidities, congenital malformations | 840 / 158 | 18.8% | NICU + outpatient |
| McLeod et al. | 2015 | Infants born <33 weeks GA | Congenital abnormalities, severe illness | 51 / 20 | 39.2% | NICU |
| McNelis et al. | 2021 | VLBW infants | Major congenital anomalies, severe morbidity | 218 / 30 | 13.8% | NICU |

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| Meyers et al. | 2013 | Infants born <35 weeks GA | Severe SGA or LGA (<3rd or >97th percentile), congenital anomalies | 151 / 71 | 47% | NICU |
| Morlacchi et al. | 2018 | Infants born ≤32 weeks GA, birth weight <1500 g | Congenital/chromosomal anomalies, skeletal dysplasia | 151 / 31 | 20.5% | NICU + outpatient |
| Morris et al. | 2023 | Infants born <33 weeks GA, birth weight <1500 g | Congenital anomalies affecting growth | 100 / 49 | 49% | NICU |
| Nagel et al. | 2021 | Infants born 25–32 weeks GA | Parental consent missing | 221 / 63 | 28.5% | NICU |
| Olhager et al. | 2022 | Infants born 23–32 weeks GA | Major congenital or chromosomal anomalies | 81 / 56 | 69.1% | NICU + outpatient |
| Olhager & Tornqvist | 2014 | Infants born ≥32 weeks GA | Birth weight >1500 g, singleton status required | 166 / 29 | 17.5% | NICU |
| Ong et al. | 2024 | Infants born <32 weeks GA, human milk-fed | Respiratory support needs, parental refusal | 126 / 65 | 51.6% | NICU |
| Parat et al. | 2020 | Birth weight <1500 g | Major congenital malformations, infection | 127 / 36 | 28.3% | NICU |
| Perrone et al. | 2021 | VLBW infants (≤1500 g) | Oxygen therapy, inadequate nutrition tolerance | 206 / 50 | 24.3% | NICU |
| Ramel et al. | 2015 | Infants born 24–32 weeks GA | Congenital anomalies, syndromes | 306 / 101 | 33% | NICU |
| Ramel et al. | 2016 | Infants born <1500 g, appropriate for GA | SGA <10th percentile, congenital anomalies | 176 / 55 | 31.3% | NICU + outpatient |

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| Rochow et al. | 2021 | Infants born <30 weeks GA, NICU stay ≥2 weeks | Gastrointestinal malformation, major anomalies | 427 / 103 | 24.1% | NICU + outpatient |
| Roggero et al. | 2011 | Birth weight <1500 g, singleton | Congenital diseases, chromosomal anomalies | 207 / 195 | 94.2% | NICU + outpatient |
| Salas et al. | 2020 | Infants born 28–32 weeks GA | GI malformations, CNS anomalies | 105 / 45 | 42.9% | NICU + outpatient |
| Salas et al. | 2021 | Infants born <32 weeks GA | PDA, NEC, other severe morbidity | 105 / 86 | 81.9% | NICU + outpatient |
| Scheurer et al. | 2016 | VLBW, appropriate for GA | Not appropriate for GA (<10th or >90th percentile) | 176 / 56 | 31.8% | NICU |
| Scheurer et al. | 2017 | Infants born <35 weeks GA, appropriate for GA | Clinical diagnosis of growth restriction | 27 / 20 | 74.1% | NICU + outpatient |
| van de Lagemaat et al. | 2024 | Infants born 32–35 weeks GA | Sepsis, respiratory or circulatory failure, severe comorbidity | 184 / 144 | 78.3% | NICU |
| Villela et al. | 2018 | Infants born ≤32 weeks GA, birth weight ≤1500 g | Congenital diseases, genetic syndromes, malformations | 78 / 66 | 84.6% | NICU |
| Wiechers et al. | 2022 | Infants born <32 weeks GA or birth weight <1500 g | Major congenital or chromosomal anomalies | 470 / 105 | 22.3% | NICU |
| Yumani et al. | 2021 | Infants born 24–32 weeks GA | Major congenital anomalies, severe comorbidities | 237 / 89 | 37.6% | NICU + outpatient |

To improve clarity and uniformity, we have applied slight adjustments to the wording of ‘Eligibility Criteria’ and ‘Exclusion Criteria’ columns, including shortening and standardizing terminology across studies