Table 4.2

*Validity and reliability of the PEDS, PEDS:DM and PEDS tools*

|  |  |  |  |
| --- | --- | --- | --- |
| **Tool** | **Study** | **Validity** | **Reliability** |
| **Sensitivity** | **Specificity**  | **Test-retest** | **Inter-rater** |
| **PEDS** | Glascoe, 2013 | 91 – 97% | 73 – 86% |  |  |
| Vameghi et al., 2015 |  |  | Correlation coefficient: .87 |  |
| Sheldrick et al., 2020 | Severe delays (0 – 42 months): 41.8% - 94.5%Moderate-to-severe delays (0 – 42 months): 48.8% – 69.8%Severe delays (43 – 66 months): 41.8% - 94.5%Moderate-to-severe delays (43 – 66 months): 17.1% - 70.8% | 0-42 months: 75.7% - 83.1%43 – 66 months: 64.3% - 81.3% |  |  |
| **PEDS:DM** | Brothers et al., 2008 | 83% | 84% | Guttman’s coefficient: .98 - .99 | Guttman’s coefficient: .82 - .96 |
| Sheldrick et al., 2020 | Severe delays (0 – 42 months): 49.6% - 71%Moderate-to-severe delays (0 – 42 months): 73.4% - 92.6%Severe delays (43 – 66 months): 78.3% - 93.1%Moderate-to-severe delays (43 – 66 months): 77.1% - 92.7% | 0 – 42 months: 30.2% – 56.2%43 – 66 months: 6.7% - 23.9% |  |  |
| **PEDS Tools**  | Sheldrick et al., 2020 | Severe delays (0 – 42 months): 55.4% - 91.9%Moderate-to-severe delays (0 – 42 months): 44% - 65.3%Severe delays (43 – 66 months): 41.8% – 94.5%Moderate-to-severe delays (43 – 66 months): 17.1% – 70.8% | 0 – 42 months: 80.3 – 86.9%43 – 66 months: 70.2% - 85.4% |  |  |
| Maleka et al., 2016 |  |  |  | Cohen’s Kappa: .87 - .96 |