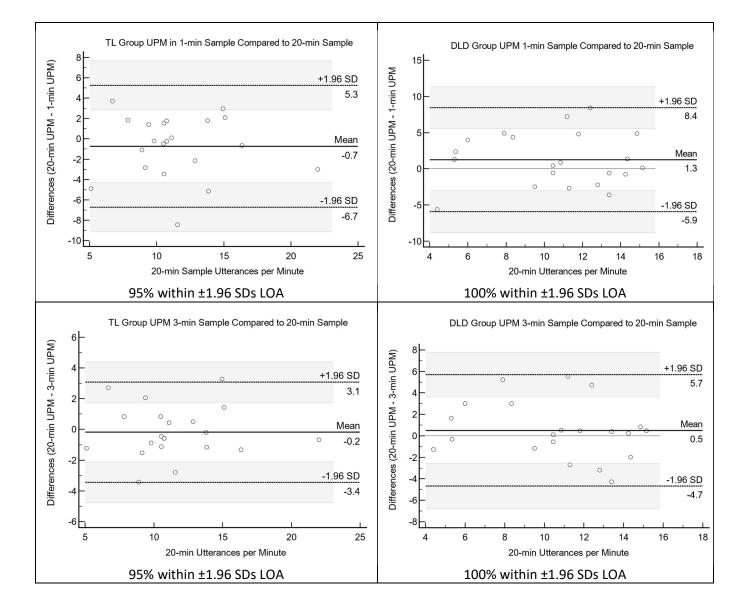
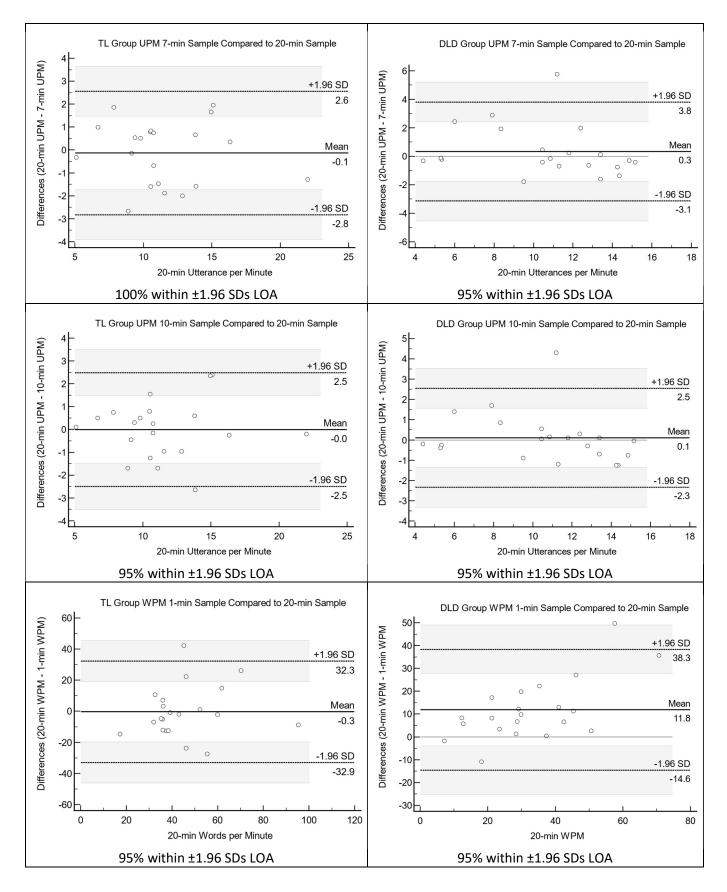
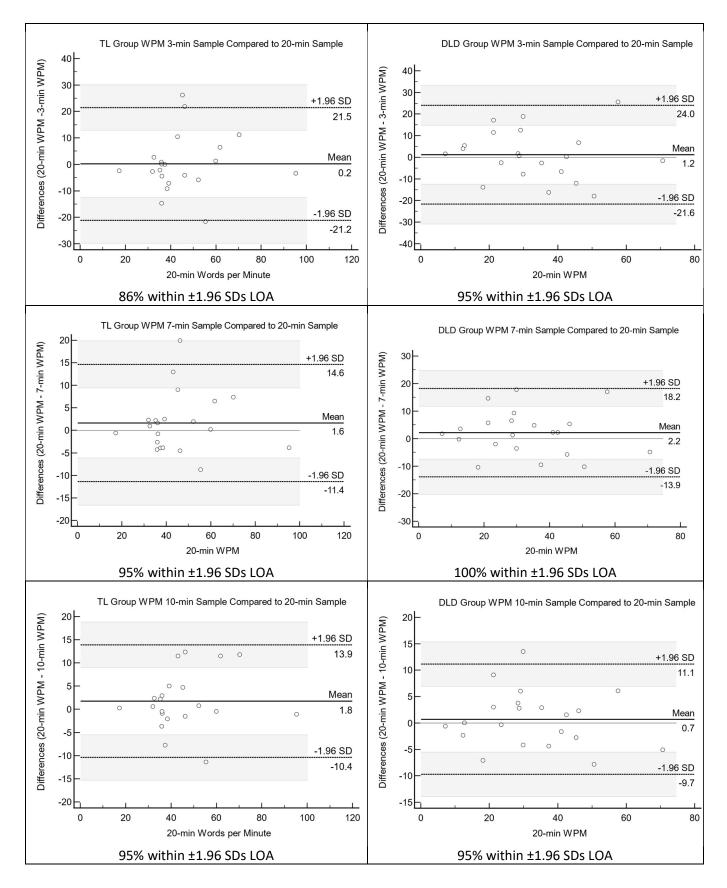
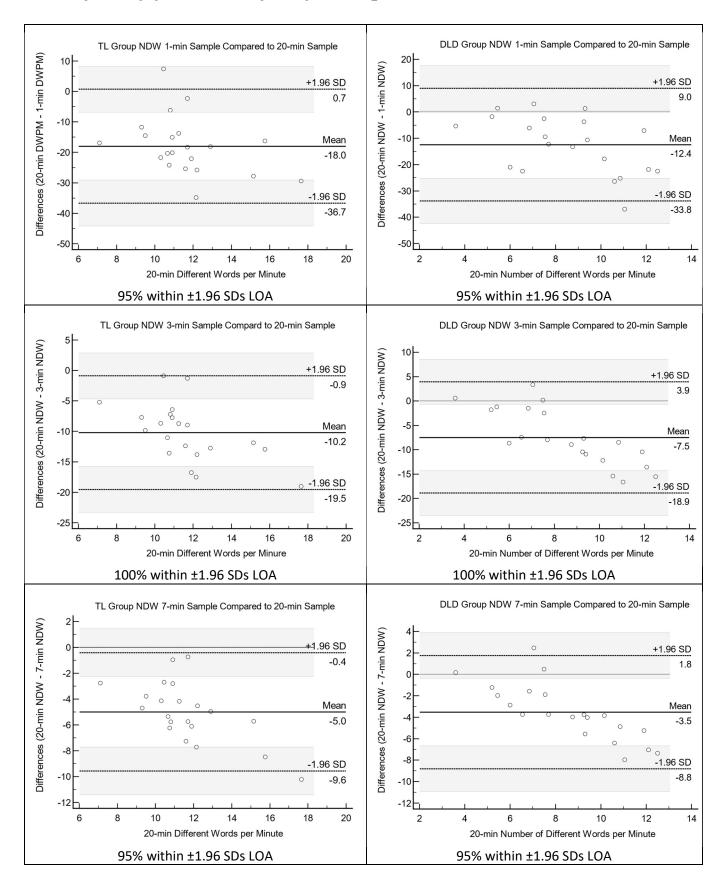
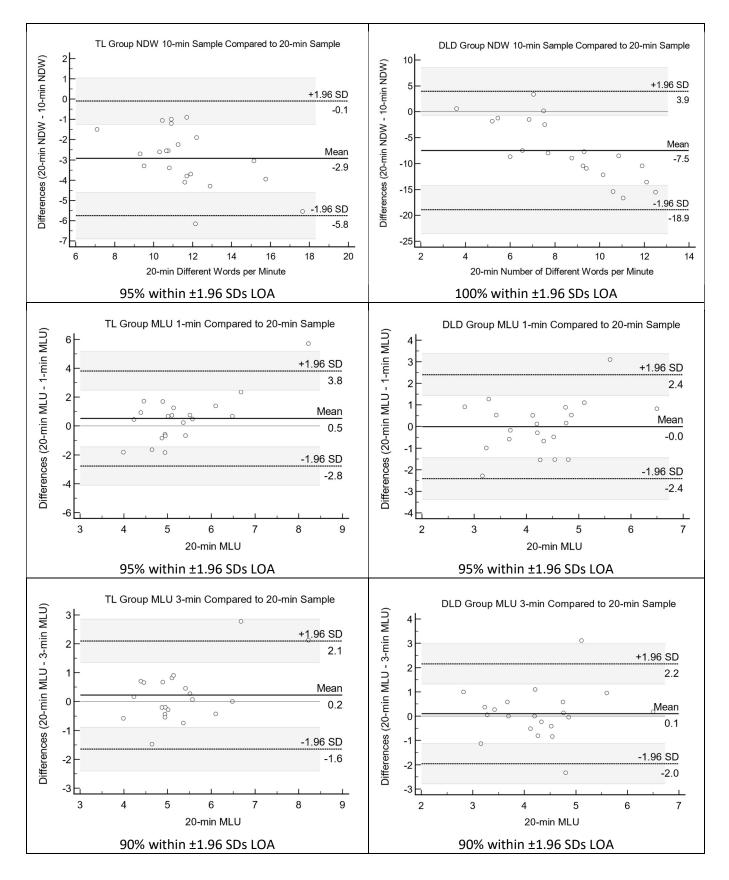
**Supplemental Material S4.** Bland-Altman plots for eight LSA measures comparing 1, 3, 7, and 10-min sample lengths to 20-min sample length by group (TL = typical language; DLD = developmental language disorder). These figures show differences in scores between sample lengths on the *y*-axis and scores from 20-min samples on the *x*-axis. Solid black horizontal line = mean difference between sample measures, dashed horizontal lines = limits of agreement (LOA) based on  $\pm$  1.96 *SD*s of mean differences, shaded horizontal bars = 95% confidence intervals for LOA. The distance between the horizontal mean difference line and zero shows measurement bias. Plots with  $\ge$  95% of data points within LOA are suggested to show adequate absolute reliability for the shorter sample length compared to the 20-min reference sample.

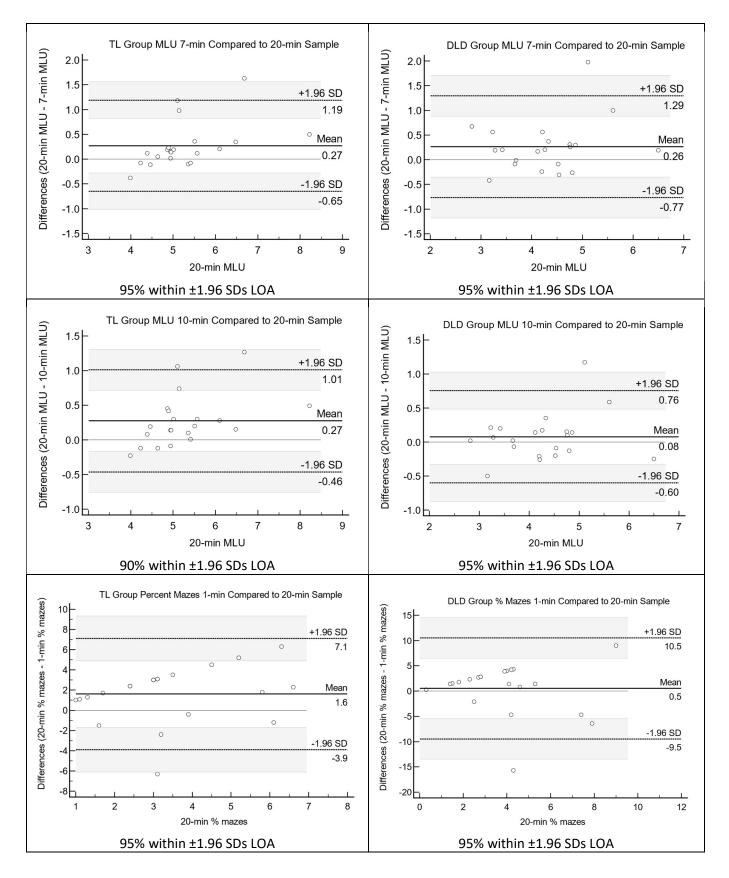


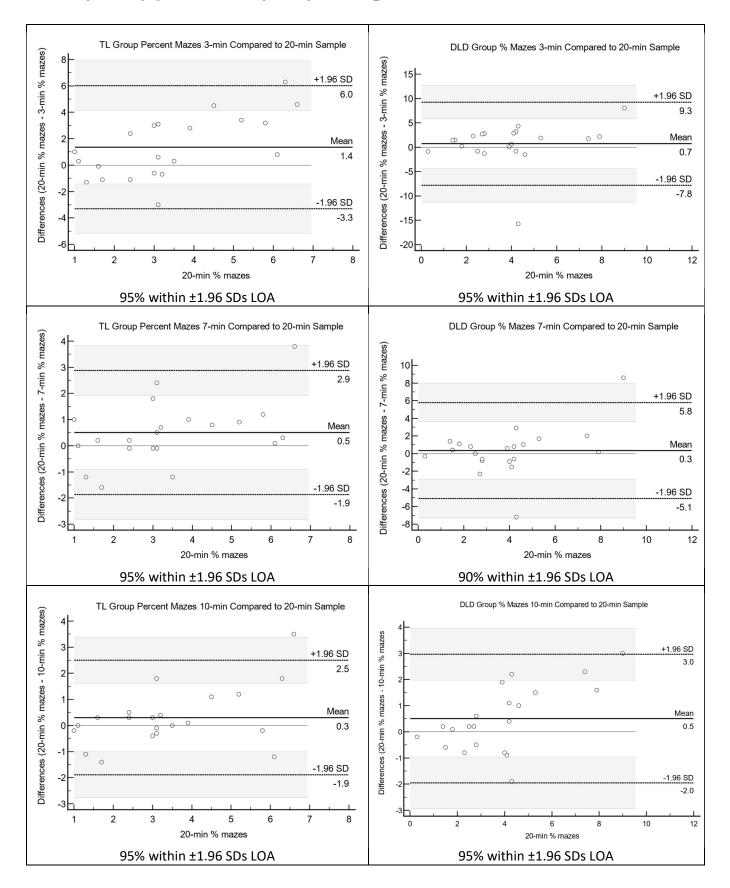


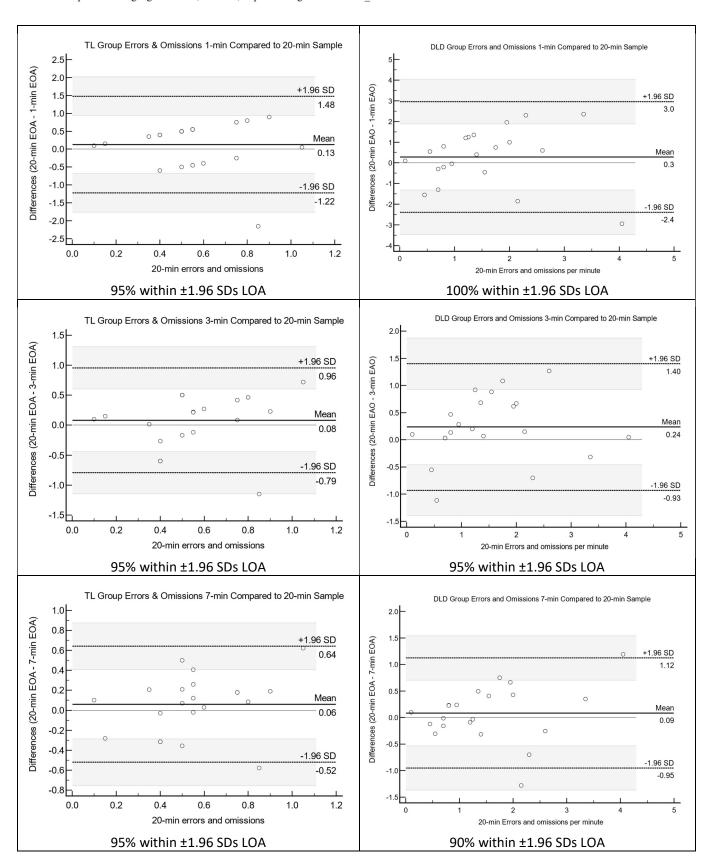












TL Group Errors & Omissions 10-min Compared to 20-min Sample DLD Group Errors and Omissions 10-min Compared to 20-min Sample 0.8 1.5 Differences (20-min EOA - 10-min EOA) +1.96 SD 0.6 Differences (20-min EAO - 10-min EOA) 1.0 +1.96 SD 0.54 0 0.4 0 0.88 0 0.5 С 0.2 0 0 0 0 0 Mean 00 Mean 0.0 0.06 0.0 0.06 0 0 0 0 0 0 0 0 -0.2 0 -0.5 0 -1.96 SD -0.4 1.96 SD -0.42 -0.75 -0.6 -1. -0.8 -1.5 0.0 0.2 0.4 0.6 0.8 1.0 1.2 0 2 5 3 4 20-min errors and omissions 20-min Errors and omissions per minute 90% within ±1.96 SDs LOA 95% within ±1.96 SDs LOA TL Group PGU 1-min Compared to 20-min Sample DLD Group PGU 1-min Compared to 20-min Sample 100 10 Differences (20-min PGU - 1-min PGU) 0 0 80 +1.96 SD Differences (20-min PGU - 1-min PGU) F 5.9 60 +1.96 SD 40 46.4 0 0 0 Mean 20 000 000 0 -2.2 Mean -5 00 2.8 0 00 0 0 -1.96 SD -20 0 -10 -10.3 1.96 SD -40 -40.9 -15 -60 86 88 92 94 96 98 100 102 90 70 100 105 65 75 80 85 90 95 20-min Percent Grammatical Utterances 20-min Percent Grammatical Utterances 95% within ±1.96 SDs LOA 95% within ±1.96 SDs LOA DLD Group PGU 3-min Compared to 20-min Sample TL Group PGU 3-min Compared to 20-min Sample 30 15 Differences (20-min PGU - 3-min PGU) Differences (20-min PGU - 3-min PGU) +1.96 SD 20 10 18.7 +1.96 SD 8.6 0 00 10 0 С 5 0 00 Mean 00 Mean 0 0.5 0 0 0 0 0 00 -0.3 0 0 0 0 0 0 -10 -5 0 1.96 SD 1.96 SD -10 -9.2 -20 -17.6 -15 -30 86 88 90 92 94 96 98 100 102 105 65 70 75 80 85 90 100 95 20-min Percent Grammatical Utterances 20-min Percent Grammatical Utterances 95% within ±1.96 SDs LOA 95% within ±1.96 SDs LOA

