By-study estimates of the voicing effect The estimate from the original study and from the output of the by-study intercept of the meta-analysis are shown. Chen (1970) Peterson & Lehiste (1960) House & Fairbanks (1953) Source Laeufer (1992) original Heffner (1937) meta-analysis Study Klatt (1973) monosyllabic Syllable position Sharf (1962) monosyllabic final Ko (2018) non-final Klatt (1973) disyllabic Sharf (1962) disyllabic Davis & Van Summers (1989) -50 100 150 200 50

Difference in vowel duration (ms)