

ERIC SANDER'S DEVELOPMENTAL NORMS



Figure 1. Average age estimates and upper age limits of customary consonant production. The solid bar corresponding to each sound starts at the median age of customary articulation; it stops at an age level at which 90% of all children are customarily producing the sound. (from Templin, 1957; Wellman et al., 1931.)

Source: "When Are Speech Sounds Learned?" by E.K. Sander, 1972, *Journal of Speech and Hearing Disorders*, 37, p. 62. Copyright 1972 by the American Speech-Language-Hearing Association, Rockville, Maryland.