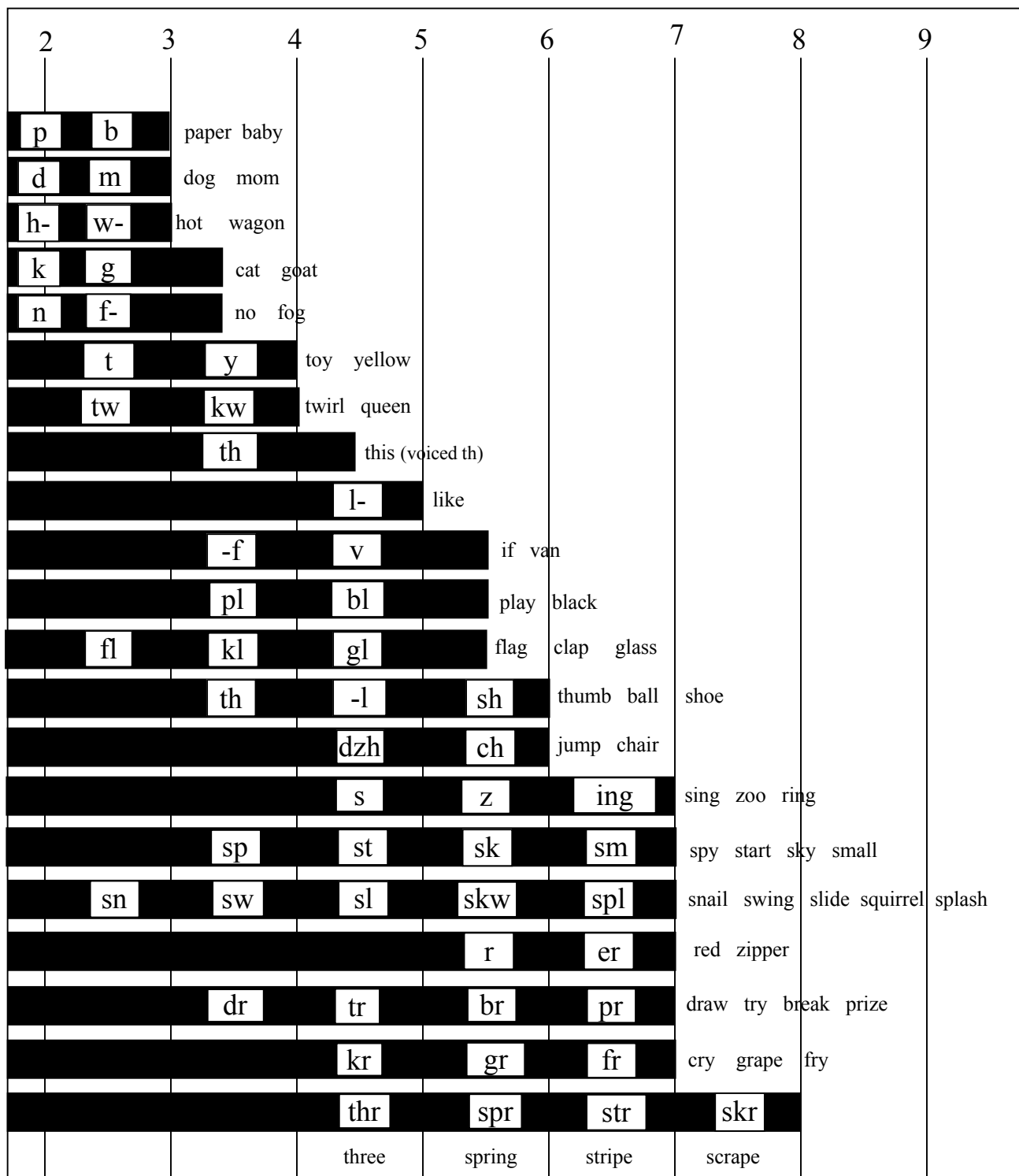


Iowa-Nebraska Articulation Norms for Females

The solid bar below stops at the recommended ages of acquisition for phonemes and clusters, based generally on the age at which 90% of the children correctly produced the sound.

Age Level for FEMALES



Note regarding phoneme positions: h- refers to prevocalic positions

-h refers to post vocalic positions

unless indicated, all other representations refer to pre and post vocalic positions

Smit, Hand, Freilinger, Bernthal, and Bird (1990), Journal of Speech and Hearing Disorders, 55, 779-798