

Source:

Goldman, Ronald & Fristoe, Macalyne *Goldman Fristoe Test of Articulation – 2<sup>nd</sup> Edition – Manual* Minneapolis, MN, NCS Pearson, 2000

Table 6.6

Age at Which 85 Percent of GFTA-2 Standardization Sample Correctly Produced the Consonant and Consonant Cluster Sounds

Age	Initial Position	Medial Position	Final Position
2	/b/, /d/, /h/, /m/, /n/, /p/	/b/, /m/, /n/	/m/, /p/
3	/f/, /g/, /k/, /t/, /w/	/f/, /g/, /k/, /ŋ/, /p/, /t/	/b/, /d/, /g/, /k/, /n/, /t/
4	/kw/	/d/	/f/
5	/tʃ/, /dʒ/, /l/, /s/, /ʃ/, /j/, /bl/	/tʃ/, /dʒ/, /l/, /s/, /ʃ/, /z/	/l/, /ŋ/, /tʃ/, /dʒ/, /s/, /ʃ/, /r/, /v/, /z/
6	/r/, /v/, /br/, /dr/, /fl/, /fr/, /gl/, /gr/, /kl/, /kr/, /pl/, /st/, /tr/	/r/, /v/	
7	/z/, /sl/, /sp/, /sw/, /ð/, /θ/	/ð/	/θ/
8		/θ/	

θ = "th" (voiceless as in "think," "thank," "thought," etc)

ʃ = "sh" ("show," "sugar," "shadow," etc)

dʒ = "j" or "g" ("just," "journey," "George," "germ," etc)

j = "y" ("yes," "you," "your," etc)

ð = "th" (voiced as in "there," "them," "that," etc)

ŋ = "ng" ("sing," "song," "fang," "lung," etc)

tʃ = "ch" ("choose," "chimney," "Charles," etc)