



Speech Sound Development Chart

Age at which 90% **females**
 have acquired each phoneme



Phoneme in years.months	3.0	3.6	4.0	4.6	5.0	5.6	6.0	6.6	7.0	7.6	8.0	8.6	9.0
m as in mom													
h initial as in hot													
w initial as in we													
p as in pup													
b as in baby													
d as in dad													
f as in fun													
k as in cake													
g as in go, dog													
n as in no													
y initial as in yes													
t as in toe, hot													
th voiced as in that													
l initial as in lion													
f final as in leaf													
v as in van													
sh as in shoe													
ch as in chair													
l final as in ball													
th as in thumb													
j as in jump													
r as in run													
r final voiced as in bear													
ng final as in sing													
s as in soap													
z as in zoo													

"The Iowa Articulation Norms Project and its Nebraska Replication"
 Journal of Speech and Hearing Disorders, Volume 55, 779-798, November, 1990



Speech Sound Development Chart

Age at which 90% males
 have acquired each phoneme



Phoneme in years. months	3.0	3.6	4.0	4.6	5.0	5.6	6.0	6.6	7.0	7.6	8.0	8.6	9.0
m as in mom													
h initial as in hot													
w initial as in we													
p as in pup													
b as in baby													
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