

Development of Individual Consonants in non-words by degree of hearing loss

Children with Mild and Moderate Hearing Loss

Consonant Phone	0-6 mon	7-12 mon	13-18 mon	19-24 mon	25-30 mon	31-36 mon	37-48 mon	49-60 mon	61-72 mon
	n=3	n=21	n=18	n=23	n=20	n=16	n=10	n=8	n=1
p	0.0%	0.0%	5.6%	13.0%	25.0%	31.2%	30.0%	25.0%	0.0%
b	33.3%	42.9%	72.2%	65.2%	90.0%	68.7%	80.0%	87.5%	100.0%
t	0.0%	14.3%	16.7%	13.0%	25.0%	12.5%	20.0%	25.0%	100.0%
d	33.3%	38.1%	72.2%	69.6%	95.0%	75.0%	100.0%	75.0%	100.0%
k	0.0%	9.5%	11.1%	17.4%	25.0%	18.7%	20.0%	50.0%	0.0%
g	0.0%	19.0%	33.3%	43.5%	60.0%	43.7%	60.0%	25.0%	0.0%
glottal	100.0%	90.5%	88.9%	91.3%	100.0%	93.7%	100.0%	87.5%	100.0%
f	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%
v	0.0%	4.8%	0.0%	4.3%	5.0%	0.0%	10.0%	0.0%	0.0%
theta	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
th	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
s	0.0%	4.8%	5.6%	13.0%	10.0%	0.0%	0.0%	25.0%	0.0%
z	0.0%	0.0%	5.6%	0.0%	10.0%	12.5%	10.0%	0.0%	0.0%
sh	0.0%	9.5%	11.1%	13.0%	15.0%	18.7%	0.0%	37.5%	0.0%
zh	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%
h	100.0%	57.1%	77.8%	47.8%	60.0%	62.5%	80.0%	75.0%	0.0%
ch	0.0%	4.8%	0.0%	4.3%	0.0%	18.7%	0.0%	50.0%	0.0%
dz	0.0%	9.5%	11.1%	8.7%	15.0%	18.7%	20.0%	12.5%	0.0%
m	100.0%	90.5%	88.9%	95.7%	90.0%	81.2%	80.0%	100.0%	100.0%
n	66.7%	28.6%	50.0%	65.2%	60.0%	56.2%	90.0%	62.5%	100.0%
ng	0.0%	0.0%	0.0%	0.0%	5.0%	6.2%	10.0%	0.0%	0.0%
l	0.0%	9.5%	11.1%	17.4%	30.0%	18.7%	20.0%	12.5%	0.0%
w	0.0%	19.0%	33.3%	69.6%	70.0%	62.5%	70.0%	75.0%	100.0%
r	0.0%	0.0%	5.6%	4.3%	15.0%	18.7%	20.0%	12.5%	0.0%

established (purple) = 50% or more of infants produced consonant 2 or more times
emerging (green) = 25 to 49% of infants produced consonant 2 or more times (all data is based on 2 productions)