

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

Children with Moderate-Severe and Severe 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=29	n=30	n=30	n=21	n=14	n=7	n=5
p	0.0%	4.8%	6.9%	10.0%	33.3%	42.9%	14.3%	14.3%	60.0%
b	33.3%	28.6%	55.2%	66.7%	80.0%	71.4%	42.9%	57.1%	60.0%
t	0.0%	9.5%	10.3%	20.0%	23.3%	28.6%	28.6%	14.3%	60.0%
d	66.7%	23.8%	41.4%	63.3%	66.7%	57.1%	57.1%	42.9%	100.0%
k	0.0%	0.0%	13.8%	20.0%	26.7%	19.0%	14.3%	28.6%	20.0%
g	0.0%	14.3%	13.8%	40.0%	43.3%	19.0%	42.9%	28.6%	20.0%
glottal	100.0%	85.7%	93.1%	96.7%	100.0%	100.0%	92.9%	85.7%	100.0%
f	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%
v	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	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%	0.0%	0.0%	6.7%	3.3%	14.3%	7.1%	0.0%	0.0%
z	0.0%	0.0%	0.0%	0.0%	3.3%	4.8%	0.0%	0.0%	0.0%
sh	0.0%	0.0%	3.4%	13.3%	10.0%	33.3%	21.4%	0.0%	20.0%
zh	0.0%	0.0%	3.4%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
h	66.7%	47.6%	65.5%	73.3%	70.0%	66.7%	50.0%	71.4%	80.0%
ch	0.0%	0.0%	0.0%	3.3%	3.3%	19.0%	14.3%	0.0%	0.0%
dz	0.0%	4.8%	0.0%	6.7%	6.7%	9.5%	7.1%	0.0%	20.0%
m	100.0%	81.0%	86.2%	96.7%	86.7%	90.5%	85.7%	71.4%	100.0%
n	0.0%	23.8%	24.1%	60.0%	53.3%	61.9%	57.1%	28.6%	40.0%
ng	0.0%	4.8%	3.4%	10.0%	3.3%	9.5%	0.0%	0.0%	0.0%
l	0.0%	4.8%	10.3%	10.0%	16.7%	23.8%	0.0%	0.0%	0.0%
w	33.3%	23.8%	41.4%	73.3%	70.0%	57.1%	57.1%	42.9%	60.0%
j	0.0%	33.3%	41.4%	66.7%	56.7%	57.1%	50.0%	42.9%	80.0%
r	0.0%	0.0%	3.4%	10.0%	20.0%	28.6%	21.4%	0.0%	0.0%

established (purple) = 50% or more of infants produced consonant 2 or more times