

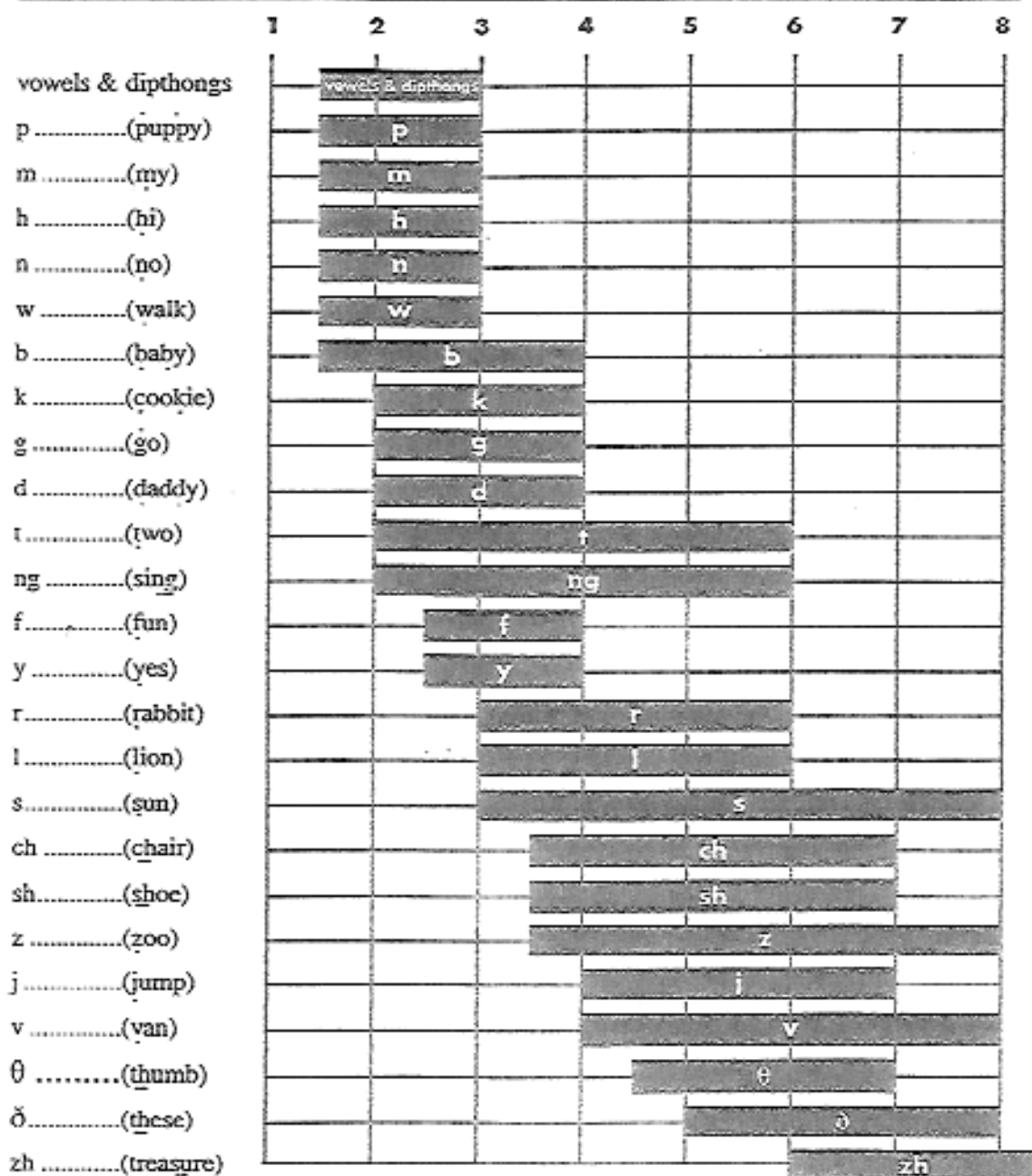
BEGINNING OF BAR  
REPRESENTS AGE AT WHICH  
CHILDREN BEGIN TO ACQUIRE  
EACH SOUND



END OF BAR REPRESENTS  
AGE AT WHICH MOST CHILDREN  
HAVE MASTERED EACH SOUND

**Speech Sounds**

**Age of acquisition (years)**



Average age estimates and upper age limits of customary consonant production. The solid bar corresponding to each sound starts at the median age of customary articulation; it stops at an age level at which 90% of all children are customarily producing the sound. (From Tompkin, 1957; Wellman et al., 1931, in Sanders, *Journal of Speech & Hearing Disorders*, 1973).

## Section VII. Response Form

Age	Sound	Words	Consonants					Vowels/Diphthongs			Comments
			Sound Production			Errors			Sound Production	Errors	
			I	M	F	Tongue	Lips				
3.5	p	pie <sup>1</sup> , apples <sup>2</sup> , cup <sup>3</sup>						aɪ	pie <sup>1</sup>		
	m	monkey <sup>4</sup> , hammer <sup>5</sup> , comb <sup>6</sup>						o	comb <sup>6</sup>		
	w	witch <sup>7</sup> , flowers <sup>8</sup>						ɪ	witch <sup>7</sup>		
	h	hanger <sup>9</sup>									
	b	book <sup>10</sup> , baby <sup>11</sup> , bathtub <sup>12</sup>						o	book <sup>10</sup>		
	d	dog <sup>13</sup> , ladder <sup>14</sup> , bed <sup>15</sup>						ɔ	dog <sup>13</sup>		
	n	nails <sup>16</sup> , bananas <sup>17</sup> , can <sup>18</sup>						ə	bananas <sup>17</sup>		
j	yes, thank you										
4	k	cat <sup>19</sup> , crackers <sup>20</sup> , cake <sup>21</sup>						ɔ - ə	crackers <sup>20</sup>		
	g	gum <sup>22</sup> , wagon <sup>23</sup> , egg <sup>24</sup>						ʌ	gum <sup>22</sup>		
	t	table <sup>25</sup> , potatoes <sup>26</sup> , hat <sup>27</sup>						æ	hat <sup>27</sup>		
	f	fork <sup>28</sup> , elephant <sup>29</sup> , knife <sup>30</sup>									
5	ŋ	hanger <sup>31</sup> , swing <sup>32</sup>									
	dʒ	jars <sup>33</sup> , angels <sup>34</sup> , orange <sup>35</sup>									
6	ʃ	shoe <sup>36</sup> , station <sup>37</sup> , fish <sup>38</sup>						u	shoe <sup>36</sup>		
	l	lamp <sup>39</sup> , balloons <sup>40</sup> , bell <sup>41</sup>						e	bell <sup>41</sup>		
	ʒ	measure, beige									
	v	vacuum <sup>42</sup> , TV <sup>43</sup> , glove <sup>44</sup>						ju	vacuum <sup>42</sup>		
	tʃ	chair <sup>45</sup> , matches <sup>46</sup> , sandwich <sup>47</sup>									
7	s	saw <sup>48</sup> , pencil <sup>49</sup> , house <sup>50</sup>						aʊ	house <sup>50</sup>		
	s bl	spoon <sup>51</sup> , skates <sup>52</sup> , stars <sup>53</sup>									
	z	zipper <sup>54</sup> , scissors <sup>55</sup> , keys <sup>56</sup>									
	l bl	blocks <sup>57</sup> , clock <sup>58</sup> , flag <sup>59</sup>						u	blocks <sup>57</sup>		
	ð	(this/that <sup>60</sup> ), feathers <sup>60</sup> , bathe									
	r bl	brush <sup>61</sup> , crayons <sup>62</sup> , train <sup>63</sup>						e	train <sup>63</sup>		
8	θ	thumb <sup>64</sup> , toothbrush <sup>65</sup> , teeth <sup>66</sup>						i	teeth <sup>66</sup>		
	r	radio <sup>67</sup> , carrots <sup>68</sup> , car <sup>69</sup>									
	[Story] <sup>70-72</sup>	___ voice quality ___ fluency ___ language use ___ intelligibility of connected speech						ɔɪ	boy <sup>70</sup>		
							ɪ - ɪ	bird <sup>70</sup>			
Totals											Raw Score Total

key: (+) no error; (-) omission, sound substitution, distortion; (i) imitated sounds