

Supplemental Material S1. Descriptive analyses across age category, gender, and swallow tasks.

Age Category (years)	Gender	Task	Time-to-LVC					Mean ± SD (frames)	LVCd					
			Mean ± SD (ms)	95% CI (ms)	Median (ms)	Minimum, Maximum (ms)	(n) ^a		Mean ± SD (ms)	95% CI (ms)	Median (ms)	Minimum, Maximum (ms)	(n) ^a	Mean ± SD (frames)
21-39	Male	5-mL Thin	192.16 ± 75.68	165.75, 218.56	200.00	33.33, 433.33	34	5.76± 2.27	428.4 ± 133.49	381.83, 474.98	416.67	233.33, 999.00	34	12.84 ± 4.00
		Cup Thin	128.43 ± 107.66	90.87, 166.00	133.33	-366.67, 300.00	34	3.85± 3.23	527.42 ± 133.49	476.44, 578.40	500.00	333.33, 999.00	34	15.81 ± 4.00
		5-mL Nectar	184.31 ± 65.26	161.38, 208.32	166.67	66.67, 366.67	34	5.52±1.96	453.89 ± 135.72	406.54, 501.25	433.33	266.67, 999.00	34	13.61 ± 4.07
		Cup Nectar	151.52 ± 55.96	131.72, 170.24	133.33	33.33, 266.67	34	4.54±1.68	487.23 ± 129.37	442.08, 532.37	433.33	300.00, 999.00	34	14.60 ± 3.88
		5-mL Honey	185.29 ± 65.75	162.35, 208.23	166.67	100.00, 366.67	34	5.55±1.97	454.87 ± 137.9	406.76, 502.99	433.33	266.67, 999.00	34	13.63 ± 4.13
		5-mL Pudding	190.20 ± 71.32	165.31, 215.08	166.67	66.67, 366.67	34	5.70± 2.14	399.02 ± 94.45	366.06, 431.98	383.33	233.33, 600.00	34	11.96 ± 2.83
	Solid	233.33 ± 78.28	206.02, 260.65	233.33	100.00, 433.33	34	6.99± 2.35	387.25 ± 89.52	356.02, 418.49	400.00	233.33, 566.67	34	11.61 ± 2.68	
	Female	5-mL Thin	160.19 ± 42.78	145.71, 174.66	166.67	100.00, 266.67	36	4.80± 1.28	406.48 ± 80.01	379.41, 433.55	400.00	266.67, 600.00	36	12.18 ± 2.40
		Cup Thin	121.27 ± 196.70	54.72, 187.82	100.00	-566.67, 999.00	36	3.64±5.90	512.01 ± 188.68	448.17, 575.85	466.67	333.33, 1300.00	36	15.35 ± 5.66
		5-mL Nectar	145.37 ± 51.73	127.87, 162.87	133.33	33.33, 300.00	36	4.36±1.55	430.53 ± 132.34	385.75, 475.31	433.33	233.33, 999--	36	12.91 ± 3.97
		Cup Nectar	136.11 ± 59.83	115.87, 156.35	133.33	66.67, 400.00	36	4.08±1.79	453.70 ± 91.99	422.58, 484.83	433.33	266.67, 666.67	36	13.60 ± 2.76
		5-mL Honey	162.96 ± 110.92	125.43, 200.49	166.67	-366.67, 400.00	36	4.88±3.32	423.15 ± 126.19	380.45, 465.84	400.00	266.67, 933.33	36	12.68 ± 3.78
5-mL Pudding		164.81 ± 63.22	143.43, 186.20	166.67	33.33, 300.00	36	4.94±1.90	396.30 ± 67.04	373.61, 418.98	366.67	266.67, 500.00	36	11.88 ± 2.01	

		Solid	188.89 ± 73.46	164.03, 213.75	166.67	33.33, 333.33	36	5.66± 2.20	405.56 ± 90.68	374.88, 436.24	383.33	233.33, 633.33	36	12.16 ± 2.72
40-59	Male	5-mL Thin	172.38± 76.05	146.26, 198.5	166.67	-133.33, 333.33	35	5.17± 2.28	451.40 ± 134.52	405.19, 497.61	433.33	200.00, 999.00	35	13.53 ± 4.03
		Cup Thin	140.00 ± 111.38	101.74, 178.26	133.33	-266.67, 433.33	35	4.20± 3.34	533.33 ± 136.48	486.45, 580.22	533.33	300.00, 1000.00	35	15.99 ± 4.09
		5-mL Nectar	174.29 ± 43.60	159.31, 189.26	166.67	100.00, 266.67	35	5.22±1.31	431.43 ± 87.05	401.53, 461.33	433.33	266.67, 633.33	35	12.93 ± 2.61
		Cup Nectar	155.24 ± 91.45	123.83, 186.65	133.33	-233.33, 366.67	35	4.65± 2.74	518.10 ± 256.46	430.00, 606.19	466.67	333.33, 1933.33	35	15.53 ± 7.69
		5-mL Honey	181.90 ± 61.22	160.87, 202.93	166.67	66.67, 333.33	35	5.45±1.84	440.00 ± 113.99	400.84, 479.16	433.33	233.33, 733.33	35	13.19 ± 3.42
		5-mL Pudding	165.71 ± 63.39	143.94, 187.49	166.67	33.33, 333.33	35	4.97±1.90	418.10 ± 93.70	385.91, 450.28	400.00	233.33, 666.67	35	12.53 ± 2.81
		Solid	213.33 ± 86.77	183.53, 243.14	200.00	66.67, 433.33	35	6.39±2.60	403.81 ± 127.51	360.01, 447.61	366.67	166.67, 733.33	35	12.10 ± 3.82
	Female	5-mL Thin	146.67 ± 102.33	111.52, 181.82	133.33	-300.00, 333.33	35	4.40±3.07	518.99 ± 186.37	454.97, 583.01	500.00	300.00, 999.00	35	15.56 ± 5.59
		Cup Thin	125.71 ± 58.90	105.48, 145.95	133.33	33.33, 300.00	35	3.77±1.77	561.88 ± 133.03	516.18, 607.57	566.67	333.33, 999.00	35	16.84 ± 3.99
		5-mL Nectar	159.97 ± 174.15	100.15, 219.80	133.33	-333.33, 999.00	35	4.80±5.22	488.54 ± 148.52	437.53, 539.56	433.33	333.33, 999.00	35	14.64 ± 4.45
		Cup Nectar	109.5 ± 350.79	-11.01, 230.00	133.33	-1700.00, 999.00	35	3.28± 10.51	578.07 ± 336.02	462.64, 693.50	533.33	333.33, 2366.67	35	17.33 ± 10.07
		5-mL Honey	160.95 ± 53.92	142.43, 179.48	166.67	66.67, 300.00	35	4.82± 1.62	450.48 ± 98.48	416.65, 484.30	433.33	333.33, 700.00	35	13.50 ± 2.95
		5-mL Pudding	165.71 ± 48.16	149.17, 182.26	166.67	33.33, 266.67	35	4.97± 1.44	451.43 ± 95.09	418.76, 484.09	433.33	300.00, 733.33	35	13.53 ± 2.85
		Solid	200.95 ± 82.64	172.57, 229.34	166.67	33.33, 466.67	35	6.02± 2.48	445.71 ±	409.07, 482.36	433.33	266.67, 666.67	35	13.36 ± 3.20

									106.67					
60+	Male	5-mL Thin	183.33 ± 62.06	150.26, 216.40	183.33	66.67, 266.67	16	5.50± 1.86	429.17 ± 59.47	397.48, 460.86	416.67	333.33, 533.33	16	12.86 ± 1.78
		Cup Thin	185.42 ± 130.51	115.87, 254.96	166.67	33.33, 500.00	16	5.56± 3.91	535.42 ± 102.90	480.59, 590.25	550.00	366.67, 733.33	16	16.05 ± 3.08
		5-mL Nectar	225.00 ± 102.92	170.16, 279.84	233.33	66.67, 466.67	16	6.74± 3.09	458.33 ± 109.88	399.78, 516.89	433.33	300.00, 633.33	16	13.74 ± 3.29
		Cup Nectar	193.75 ± 91.26	145.12, 242.38	200.00	66.67, 433.33	16	5.81± 2.74	493.75 ± 91.26	445.12, 542.38	483.33	333.33, 666.67	16	14.80 ± 2.74
		5-mL Honey	222.92 ± 88.38	175.82, 270.01	200.00	100.00, 433.33	16	6.68± 2.65	454.17 ± 118.56	390.99, 517.34	416.67	300.00, 700.00	16	13.61 ± 3.55
		5-mL Pudding	191.67 ± 73.54	152.48, 230.85	183.33	0.00, 300.00	16	5.75± 2.20	447.92 ± 95.04	397.27, 498.56	433.33	266.67, 666.67	16	13.43 ± 2.85
		Solid	239.58 ± 93.67	189.67, 289.49	233.33	100.00, 466.67	16	7.18± 2.81	410.42 ± 84.08	365.61, 455.22	400.00	266.67, 600.00	16	12.30 ± 2.52
60+ (cont'd)	Female	5-mL Thin	166.62 ± 218.92	95.65, 237.58	133.33	-200.00, 999.00	39	4.99± 6.56	517.07 ± 154.93	466.85, 567.29	466.67	300.00, 999.00	39	15.50 ± 4.64
		Cup Thin	99.15 ± 180.88	40.51, 157.78	133.33	-433.33, 433.33	39	2.97± 5.42	641.85 ± 267.48	555.15, 728.56	533.33	233.33, 1300.00	39	19.24 ± 8.02
		5-mL Nectar	132.48 ± 85.66	104.71, 160.25	133.33	-200.00, 266.67	39	3.97± 2.57	541.88 ± 177.66	484.29, 599.47	500.00	233.33, 1066.67	39	16.24 ± 5.33
		Cup Nectar	76.07 ± 225.94	2.83, 149.31	133.33	-800.00, 600.00	39	2.28± 6.77	635.04 ± 243.51	556.11, 713.98	533.33	333.33, 1466.67	39	19.04 ± 7.30
		5-mL Honey	133.31 ± 237.09	56.45, 210.16	166.67	-733.33, 999.00	39	3.99± 7.11	607.67 ± 229.68	533.21, 682.12	533.33	333.33, 1266.67	39	18.21 ± 6.88
		5-mL Pudding	156.41 ± 125.69	115.67, 197.15	166.67	-500.00, 400.00	39	4.69± 3.77	467.52 ± 124.84	427.05, 507.99	433.33	233.33, 1066.67	39	14.01 ± 3.74
		Solid	221.37 ± 97.18	189.87, 252.87	200.00	66.67, 500.00	39	6.64± 2.91	470.94 ± 145.13	423.89, 517.99	466.67	233.33, 1066.67	39	14.12 ± 4.35

Note. ms = milliseconds

^a reflects the number of swallows rated in the corresponding category.