

Supplemental Material S2. Normalized Residue Ratio Scale (NRRS) pyriform sinus residue amounts between genders across age categories for each swallow task.

Swallow Task		Young (21–39 years)		Middle (40–59 years)		Old (60+ years)	
		Males	Females	Males	Females	Males	Females
5 ml thin	<i>M (SD)</i>	0.07 (0.04)	0.18 (0.12)	0.20 (0.18)	0.00 (0.00)	0.78 (0.37)	0.10 (0.09)
	95% CI	0.00, 0.14	−0.07, 0.43	−0.16, 0.56	n/a	−0.01, 1.57	−0.08, 0.28
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 0.71	0.00, 3.54	0.00, 6.11	n/a	0.00, 6.06	0.00, 3.35
	<i>n</i>	33	37	35	35	17	38
Cup sip thin	<i>M (SD)</i>	0.40 (0.17)	0.13 (0.09)	0.37 (0.16)	0.05 (0.04)	1.40 (0.52)	0.67 (0.20)
	95% CI	0.06, 0.74	−0.06, 0.32	0.05, 0.69	−0.03, 0.12	0.29, 2.51	0.27, 1.07
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 4.14	0.00, 2.79	0.00, 4.14	0.00, 1.15	0.00, 8.20	0.00, 4.62
	<i>n</i>	33	37	35	35	17	38
Sequential thin	<i>M (SD)</i>	0.47 (0.17)	0.22 (0.12)	0.51 (0.23)	0.12 (0.12)	1.87 (0.65)	0.83 (0.34)
	95% CI	0.11, 0.82	−0.01, 0.46	0.04, 0.98	−0.12, 0.35	0.49, 3.24	0.13, 1.52
	<i>Mdn</i>	0.00	0.00	0.00	0.00	1.09	0.00
	Range	0.00, 4.57	0.00, 2.74	0.00, 6.87	0.00, 4.05	0.00, 10.38	0.00, 11.05
	<i>n</i>	33	37	35	35	17	38
5 ml nectar	<i>M (SD)</i>	0.22 (0.75)	0.08 (0.08)	0.36 (0.13)	0.01 (0.01)	1.33 (0.56)	0.34 (0.13)
	95% CI	0.07, 0.38	−0.08, 0.24	0.09, 0.63	−0.01, 0.03	0.15, 2.52	0.07, 0.61
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 1.38	0.00, 2.80	0.00, 3.64	0.28	0.00, 8.32	0.00, 3.55
	<i>n</i>	33	37	35	35	17	38
Cup sip nectar	<i>M (SD)</i>	0.32 (0.13)	0.16 (0.08)	0.44 (0.88)	0.12 (0.07)	1.52 (0.50)	0.46 (0.16)
	95% CI	0.05, 0.59	0.00, 0.31	0.14, 0.75	−0.02, 0.27	0.47, 2.57	0.14, 0.79

	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 3.54	0.00, 2.09	0.00, 3.24	0.00, 2.02	0.00, 6.46	0.00, 4.08
	<i>n</i>	33	37	35	35	17	38
Sequential nectar	<i>M (SD)</i>	0.50 (0.14)	0.24 (0.11)	0.64 (0.17)	0.16 (0.10)	1.63 (0.59)	0.71 (0.19)
	95% CI	0.21, 0.80	0.02, 0.46	0.30, 0.98	−0.03, 0.36	0.37, 2.88	0.33, 1.09
	<i>Mdn</i>	0.00	0.00	0.00	0.00	1.31	0.00
	Range	0.00, 2.53	0.00, 2.83	0.00, 4.27	0.00, 3.02	0.00, 10.33	0.00, 4.52
	<i>n</i>	33	37	35	35	17	38
5 ml honey	<i>M (SD)</i>	0.38 (0.13)	0.18 (0.11)	0.58 (0.11)	0.10 (0.08)	1.38 (0.34)	0.76 (0.24)
	95% CI	0.11, 0.65	−0.04, 0.40	0.18, 0.99	−0.07, 0.27	0.65, 2.11	0.28, 1.23
	<i>Mdn</i>	0.00	0.00	0.00	0.00	1.26	0.00
	Range	0.00, 3.51	0.00, 2.91	0.00, 4.97	0.00, 2.83	0.00, 3.84	0.00, 5.24
	<i>n</i>	33	37	35	35	17	38
5 ml pudding	<i>M (SD)</i>	0.15 (0.08)	0.00 (0.00)	0.19 (0.08)	0.03 (0.03)	1.21 (0.41)	0.34 (0.21)
	95% CI	0.00, 0.31	n/a	0.02, 0.35	−0.03, 0.09	0.34, 2.09	−0.07, 0.76
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 1.89	n/a	0.00, 1.95	0.00, 1.09	0.00, 4.98	0.00, 7.22
	<i>n</i>	33	37	35	35	17	38
Solid	<i>M (SD)</i>	0.06 (0.06)	0.00 (0.00)	0.34 (0.15)	0.06 (0.48)	0.81 (0.40)	0.27 (0.12)
	95% CI	−0.06, 0.19	n/a	0.03, 0.65	−0.03, 0.16	−0.04, 1.67	0.03, 0.51
	<i>Mdn</i>	0.00	0.00	0.00	0.00	0.00	0.00
	Range	0.00, 2.01	n/a	0.00, 3.82	0.00, 1.55	0.00, 4.68	0.00, 2.79
	<i>n</i>	33	37	35	35	17	38