

**SUPPLEMENTARY MATERIAL: CRANIOMETRIC DATA TABLES FOR INDIAN SERIES**

Table S1. Indian series main cranial vault measurements and indices – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	GOL	GOL	XCB	XCB	BBH	BBH	GOL:	GOL:	GOL:	GOL:
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	XCB	XCB	BBH	BBH
Punjabi	176.5	171.2	127.4	123.6	131.6	128.9	72.3	72.3	74.7	75.3
♂ n=100–	±8.76	±7.30	±6.00	±6.32	±5.77	±4.57	±4.22	±4.64	±3.54	±3.25
119, ♀	150–	150–	113–	103–	121–	116–	64.4–	63.1–	63.7–	65.5–
n=58–71	198	187	141	141	147	141	83.1	84.8	85.3	81.5
Haryanavi	183.5	176.6	129.2	124.7	132.4	129.9	70.5	70.7	72.2	73.6
♂ n=95–	±6.26	±7.80	±5.20	±5.80	±5.53	±4.77	±3.79	±3.67	±3.50	±3.40
96, ♀	161–	158–	118–	113–	119–	118–	62.5–	63.2–	65.7–	67.4–
n=52	198	194	142	139	149	141	82.0	84.0	83.2	82.3
Hindi	177.2	170.4	125.8	121.4	130.3	126.6	71.1	71.4	73.6	74.4
♂ n=173–	±6.66	±6.83	±5.88	±6.41	±5.18	±5.86	±3.98	±4.08	±3.19	±3.56
182, ♀ n=	159–	152–	106–	106–	116–	110–	61.7–	62.9–	64.7–	66.9–
115–121	191	186	144	142	145	148	83.0	82.6	82.4	83.1
Urdu	176.1	171.8	127.1	128.0	134.8	129.2	72.2	74.6	76.6	73.4
♂ n=14, ♀	±5.41	±8.47	±4.18	±9.67	±4.95	±7.16	±3.09	±6.35	±3.18	±3.24
n=5–6	170–	159–	119–	119–	126–	122–	67.6–	68.8–	72.4–	69.7–
	190	182	135	144	140	140	78.9	82.8	81.8	77.6

Konkani	178.6	163.8	128.9	122.3	135.3	129.0	72.2	75.1	75.8	81.1
♂ n=16–	±7.64	±12.97	±5.49	±5.85	±6.72	±2.00	±3.46	±8.32	±2.22	±5.24
20, ♀	165–	146–	120–	115–	126–	127–	65.4–	67.6–	71.2–	77.1–
n=3–4	190	176	140	127	149	131	78.2	87.0	79.8	87.0
Telugu	177.8	170.5	128.2	123.3	134.2	127.3	72.2	72.4	75.5	74.8
♂ n=74–	±6.85	±7.78	±7.21	±6.54	±6.02	±5.65	±4.59	±3.97	±3.47	±3.47
79, ♀	153–	153–	106–	105–	123–	119–	63.6–	66.3–	67.4–	67.4–
n=54–55	193	184	149	138	148	145	83.2	83.0	84.4	84.3
Kannada	173.0	166.2	125.8	121.8	132.3	128.0	72.9	73.4	76.6	77.1
♂ n=149,	±8.09	±6.06	±6.54	±6.67	±5.21	±5.05	±5.06	±4.58	±3.76	±3.40
♀ n=61–	158–	150–	109–	109–	117–	119–	61.2–	64.7–	66.8–	71.4–
62	192	183	147	139	147	142	86.5	84.1	88.0	86.6
Tulu	178.5	166.1	129.9	121.6	134.3	125.8	73.0	73.3	75.4	75.8
♂ n=31, ♀	±9.39	±5.86	±5.08	±7.24	±5.41	±5.56	±4.49	±4.19	±4.58	±3.22
n=19	159–	156–	118–	110–	122–	114–	64.6–	66.7–	66.8–	71.2–
	193	174	140	135	145	137	84.3	82.5	85.8	83.6
Tamil	178.0	170.5	127.3	121.7	133.8	129.3	71.7	71.5	75.3	76.0
♂ n=111–	±8.62	±7.15	±5.47	±6.26	±5.49	±5.41	±4.92	±4.31	±3.80	±3.41
116, ♀	154–	152–	114–	107–	119–	115–	62.2–	62.5–	65.1–	69.1–
n=65–71	196	187	142	138	150	142	83.8	85.4	85.1	85.4
Malayalam	177.2	171.1	126.2	123.6	134.6	126.3	71.3	72.4	76.9	73.5
♂ n=11–	±6.99	±8.83	±4.11	±6.96	±7.06	±4.35	±3.72	±5.32	±3.53	±2.49
13, ♀	166–	159–	119–	114–	119–	119–	64.7–	63.3–	68.0–	69.4–
n=10–12	191	183	132	141	144	132	78.9	81.5	80.3	77.2

Table S2. Indians' additional overall and parietal measurements of the cranial vault – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	NOL	NOL	AUB	AUB	PAC	PAC	PAS	PAS	PAF	PAF
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
Punjabi	173.4	168.3	115.0	110.8	107.7	107.4	23.1	23.8	55.5	53.8
♂ n=100–	±7.98	±7.05	±5.61	±5.24	±7.21	±7.19	±3.20	±3.46	±5.73	±6.08
119, ♀	149–	147–	101–	89–	87–	84–	16–	14–	40–	44–
n=59–71	194	184	136	120	130	128	32	36	69	79
Haryanavi	180.3	173.8	118.7	115.8	110.7	109.1	23.2	22.6	56.2	55.9
♂ n=96, ♀	±6.59	±7.79	±4.57	±4.01	±7.17	±5.42	±2.66	±2.26	±4.87	±4.52
n=51–52	154–	154–	100–	105–	90–	92–	17–	18–	43–	44–
	196	191	130	126	139	125	29	29	67	65
Hindi	174.1	167.7	115.6	109.8	109.6	106.2	23.6	22.5	55.5	53.0
♂ n=173–	±6.58	±6.70	±4.95	±5.97	±6.67	±6.99	±3.05	±3.41	±5.58	±4.85
182, ♀ n=	158–	149–	101–	92–	81–	83–	15–	14–	40–	40–
115–121	190	183	127	123	129	119	31	30	73	65
Urdu	174.0	168.2	116.1	110.5	111.2	108.5	26.1	23.3	58.2	55.8
♂ n=14, ♀	±5.60	±7.66	±3.03	±5.74	±5.80	±6.19	±3.25	±2.25	±4.81	±7.28
n=6	167–	156–	111–	103–	102–	100–	20–	21–	50–	46–
	188	179	120	118	121	119	32	26	68	65
Konkani	175.8	163.0	116.6	110.8	109.6	102.0	24.6	22.0	55.9	44.7
♂ n=16–	±7.68	±7.66	±4.81	±4.65	±5.97	±19.00	±3.71	±4.00	±7.48	±9.81

20, ♀ n=3-	161-	144-	107-	105-	102-	81-	20-	18-	39-	39-
4	188	174	127	115	121	118	33	26	68	56
Telugu	174.4	167.7	116.9	110.5	111.1	106.0	24.6	23.0	57.8	55.5
♂ n=72-	±6.57	±7.66	±5.71	±6.22	±6.49	±6.02	±2.93	±3.57	±4.90	±5.66
79, ♀	152-	152-	96-	93-	94-	92-	18-	11-	42-	39-
n=54-55	190	182	129	125	126	117	33	31	67	69
Kannada	170.1	164.0	114.9	110.2	108.6	105.0	24.3	23.6	53.5	52.3
♂ n=149,	±7.76	±6.05	±5.29	±4.64	±7.41	±7.00	±3.24	±3.70	±6.46	±5.44
♀ n=61-62	156-	149-	103-	95-	86-	87-	15-	12-	33-	38-
	190	182	129	119	125	122	33	33	70	65
Tulu	176.0	163.9	117.8	108.6	110.6	104.1	25.2	23.2	57.1	54.6
♂ n=31, ♀	±8.97	±6.55	±4.88	±5.93	±7.86	±4.42	±3.78	±2.80	±4.94	±5.55
n=19	158-	154-	106-	99-	96-	92-	16-	18-	42-	45-
	190	173	127	121	124	112	31	28	65	62
Tamil	174.7	167.6	116.3	110.3	110.9	107.6	24.1	23.5	53.3	51.7
♂ n=112-	±8.28	±7.07	±4.29	±5.71	±7.08	±7.50	±3.03	±3.82	±5.95	±5.58
116, ♀	153-	151-	108-	99-	95-	87-	17-	15-	32-	40-
n=66-71	193	183	132	128	125	125	31	34	67	65
Malayalam	174.0	169.0	115.9	111.3	107.8	108.0	22.5	23.4	53.9	55.5
♂ n=11-	±6.36	±8.59	±4.29	±4.25	±6.13	±7.85	±2.73	±3.53	±4.01	±4.43
13, ♀	165-	156-	109-	106-	98-	94-	18-	17-	50-	45-
n=10-12	183	179	121	119	118	117	27	28	62	60

Table S3. Indians' measurements of the frontal vault – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	STB	STB	XFB	XFB	FRC	FRC	FRS	FRS	FRF	FRF
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
<b>Punjabi</b>	108.6	108.5	112.5	110.7	108.8	106.8	26.3	27.2	50.9	49.5
♂ n=100–115, ♀ n=59–69	±6.53 93– 127	±5.61 93– 122	±6.11 97– 127	±5.74 97– 126	±5.85 93– 123	±5.50 94– 122	±2.71 20– 34	±3.11 20– 36	±6.21 36– 70	±6.38 36– 67
<b>Haryanavi</b>	111.1	109.3	114.1	110.8	111.4	108.1	26.5	26.9	53.5	51.4
♂ n=95–96, ♀ n=51–52	±4.85 95– 124	±4.97 99– 119	±4.44 101– 126	±4.24 101– 121	±4.18 100– 124	±5.13 93– 125	±2.70 19– 34	±3.19 20– 41	±4.38 44– 68	±4.62 38– 60
<b>Hindi</b>	109.0	107.2	112.3	109.8	108.9	105.7	26.1	27.3	51.3	48.1
♂ n=173–182, ♀ n=115–121	±5.92 89– 127	±5.89 91– 124	±5.52 97– 135	±5.76 94– 126	±4.72 96– 120	±4.90 92– 118	±2.82 18– 36	±2.90 20– 37	±5.00 37– 63	±4.85 35– 60
<b>Urdu</b>	114.4	110.3	115.9	112.0	112.4	107.8	26.8	26.7	55.3	55.5
♂ n=14, ♀ n=6	±6.39 105– 128	±5.19 106– 118	±7.15 106– 130	±5.45 107– 119	±5.33 101– 119	±5.85 100– 114	±2.67 23– 31	±3.20 23– 31	±3.93 49– 62	±8.98 47– 72
<b>Konkani</b>	112.7	110.5	116.1	109.0	114.3	100.7	27.4	24.3	55.2	46.7
♂ n=16–20, ♀ n=3–4	±5.99 101– 124	±5.19 109– 114	±5.39 101– 126	±5.45 100– 117	±6.74 105– 126	±3.21 97– 103	±3.50 20– 34	±2.52 22– 27	±6.56 44– 67	±6.66 39– 51

Telugu	112.3	107.7	115.2	110.1	111.3	105.9	27.2	27.3	55.0	50.3
♂ n=72-79,	$\pm 6.05$	$\pm 5.19$	$\pm 7.18$	$\pm 5.45$	$\pm 5.12$	$\pm 6.13$	$\pm 2.97$	$\pm 3.14$	$\pm 4.69$	$\pm 5.23$
♀ n=55	99-	92-	100-	96-	100-	94-	21-	21-	45-	41-
	134	118	141	122	124	124	35	34	68	66
Kannada	111.0	107.4	115.5	111.9	109.3	106.1	26.2	26.7	51.5	49.2
♂ n=148-	$\pm 6.54$	$\pm 5.88$	$\pm 6.35$	$\pm 5.57$	$\pm 5.32$	$\pm 5.61$	$\pm 3.22$	$\pm 2.67$	$\pm 5.56$	$\pm 6.07$
149, ♀	95-	94-	101-	101-	94-	94-	16-	22-	39-	37-
n=61-62	132	123	134	126	130	121	37	35	65	64
Tulu	115.5	107.9	119.1	110.2	112.6	106.5	27.2	28.3	54.8	50.6
♂ n=31, ♀	$\pm 5.75$	$\pm 6.00$	$\pm 5.75$	$\pm 7.17$	$\pm 4.84$	$\pm 5.19$	$\pm 3.32$	$\pm 2.45$	$\pm 4.37$	$\pm 5.37$
n=19	104-	99-	109-	99-	103-	98-	21-	24-	48-	42-
	128	120	134	125	121	121	34	32	65	61
Tamil	112.0	108.9	115.5	111.9	111.2	107.4	27.1	27.7	51.1	47.9
♂ n=112-	$\pm 5.70$	$\pm 5.44$	$\pm 5.58$	$\pm 5.71$	$\pm 5.01$	$\pm 5.24$	$\pm 3.03$	$\pm 2.95$	$\pm 4.47$	$\pm 5.85$
115, ♀	99-	99-	102-	103-	102-	95-	20-	19-	40-	39-
n=66-71	126	123	132	128	126	125	34	35	64	70
Malayalam	111.5	109.3	114.0	111.4	111.3	105.7	26.6	26.3	53.3	48.4
♂ n=11-13,	$\pm 4.07$	$\pm 5.69$	$\pm 2.68$	$\pm 5.81$	$\pm 4.27$	$\pm 5.60$	$\pm 1.43$	$\pm 2.16$	$\pm 2.33$	$\pm 4.74$
♀ n=10-12	102-	101-	109-	104-	103-	96-	25-	23-	50-	42-
	118	117	118	123	117	112	30	29	56	55

Table S4. Indians' cranial measurements involving the occipital bone – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	ASB	ASB	OCC	OCC	OCS	OCS	OCF	OCF	FOL	FOL
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
Punjabi	102.5	99.8	93.4	91.4	26.6	25.1	52.1	45.1	34.7	33.9
♂ n=106–	±5.52	±5.72	±6.37	±6.26	±4.01	±4.12	±8.40	±6.42	±2.84	±2.28
119, ♀	91–	86–	78–	78–	18–	17–	37–	30–63	27–44	29–
n=63–71	114	115	112	109	36	38	70			39
Haryanavi	106.5	102.4	94.6	91.8	28.7	26.8	50.9	46.7	35.7	34.7
♂ n=94–	±6.25	±4.99	±6.01	±5.65	±3.97	±3.47	±7.75	±7.88	±2.72	±2.77
96, ♀	91–	91–	81–	79–	20–	18–	37–	31–67	28–42	29–
n=51–52	119	113	111	110	41	36	76			40
Hindi	102.2	99.2	91.9	90.1	27.1	26.3	48.1	44.8	34.7	34.5
♂ n=175–	±4.89	±4.86	±5.23	±6.51	±3.76	±3.97	±6.99	±7.08	±2.60	±2.89
182, ♀ n=	90–	88–	78–	77–	19–	19–	31–	28–65	27–42	27–
117–121	114	111	109	116	37	37	70			41
Urdu	103.5	103.7	93.1	91.6	25.6	23.6	50.6	44.6	33.5	33.5
♂ n=14, ♀	±5.46	±4.08	±4.63	±7.16	±2.95	±5.86	±6.86	±12.0	±3.37	±3.01
n=5–6	97–	100–	83–	82–	20–	17–	38–	31–58	25–39	31–
	114	111	100	100	30	33	60			38
Konkani	103.2	104.7	94.8	91.8	25.6	22.3	53.3	44.0	34.5	34.6
♂ n=16–	±6.43	±7.51	±7.63	±7.18	±4.26	±0.50	±9.48	±8.49	±2.61	±2.88
20, ♀ n=3–	94–	97–	82–	83–	17–	17–	40–	33–56	29–40	28–
4	119	112	109	99	34	27	71			37

Telugu	103.2	99.1	93.8	91.7	26.7	26.2	50.4	46.5	34.5	33.5
♂ n=77-	$\pm 5.32$	$\pm 4.61$	$\pm 5.89$	$\pm 6.61$	$\pm 4.39$	$\pm 4.80$	$\pm 8.66$	$\pm 6.52$	$\pm 2.23$	$\pm 3.01$
79, ♀	92-	87-	79-	80-	18-	18-	36-	31-62	30-40	22-
n=53-55	119	112	110	110	35	39	72			41
Kannada	101.2	98.4	91.5	89.0	24.8	23.5	46.4	43.5	34.5	33.3
♂ n=149,	$\pm 5.07$	$\pm 4.25$	$\pm 5.59$	$\pm 6.18$	$\pm 3.85$	$\pm 3.34$	$\pm 7.58$	$\pm 5.69$	$\pm 3.02$	$\pm 2.47$
♀ n=61-62	90-	89-	76-	72-	16-	15-	29-	31-54	24-45	28-
	121	110	110	103	38	32	69			40
Tulu	104.0	97.5	96.8	88.5	25.5	22.9	53.3	40.9	34.5	32.4
♂ n=31, ♀	$\pm 5.49$	$\pm 6.01$	$\pm 7.26$	$\pm 6.10$	$\pm 5.32$	$\pm 3.54$	$\pm 8.84$	$\pm 6.24$	$\pm 3.53$	$\pm 2.81$
n=19	93-	85-	86-	80-	18-	17-	38-	32-57	28-45	26-
	113	107	111	104	41	32	78			38
Tamil	104.1	99.3	93.5	91.5	26.9	24.7	48.9	43.2	35.0	34.1
♂ n=111-	$\pm 4.88$	$\pm 5.29$	$\pm 5.03$	$\pm 5.85$	$\pm 3.50$	$\pm 3.96$	$\pm 7.53$	$\pm 5.89$	$\pm 2.79$	$\pm 2.43$
116, ♀	94-	86-	84-	81-	19-	17-	33-	30-58	29-42	29-
n=68-71	120	113	112	106	34	36	66			41
Malayalam	103.6	101.8	95.1	89.8	25.0	24.7	49.6	43.6	34.8	33.8
♂ n=11-	$\pm 2.75$	$\pm 6.26$	$\pm 8.51$	$\pm 6.91$	$\pm 4.97$	$\pm 3.95$	$\pm 7.75$	$\pm 8.09$	$\pm 2.49$	$\pm 1.19$
13, ♀	98-	95-	80-	76-	18-	20-	32-	34-60	32-39	32-
n=10-12	107	119	110	101	36	33	60			36



Table S5. Indians' mastoid process measurements and cranial chord indices – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	MDH	MDH	MDB	MDB	FRC:	FRC:	PAC:	PAC:	OCC:	OCC:
	(mm)	(mm)	(mm)	(mm)	FRS	FRS	PAS	PAS	OCS	OCS
<b>Punjabi</b>	27.5	24.1	10.3	9.0	24.1	25.4	21.4	22.1	28.4	27.5
♂ n=100–	±3.99	±4.61	±2.38	±2.48	±2.11	±2.51	±2.38	±2.69	±3.43	±3.83
119, ♀	18–	11–	4–16	3–18	19.4–	18.9–	15.6–	16.7–	20.9–	18.5–
n=63–71	40	39			30.5	31.9	27.4	34.0	35.4	36.4
<b>Haryanavi</b>	29.6	27.4	11.4	10.0	23.8	24.9	21.0	20.8	30.3	29.2
♂ n=96, ♀	±3.82	±3.81	±2.20	±1.97	±2.12	±3.00	±2.07	±1.93	±3.66	±3.71
n=51–52	21–	20–	7–17	6–14	18.3–	18.6–	16.8–	17.1–	18.2–	20.2–
	39	36			29.6	39.0	27.9	27.5	37.2	37.1
<b>Hindi</b>	27.6	24.3	11.2	9.0	24.0	25.8	21.5	21.1	29.4	29.2
♂ n=170–	±3.39	±3.99	±2.39	±2.39	±2.28	±2.29	±2.34	±2.45	±3.65	±3.71
182, ♀ n=	18–	12–	5–20	4–15	17.1–	20.2–	13.6–	15.4–	19.6–	21.2–
115–119	36	34			33.6	34.3	28.0	27.4	37.6	40.2
<b>Urdu</b>	24.9	21.2	11.4	10.7	23.8	24.7	23.3	21.5	27.5	25.6
♂ n=13–	±3.15	±1.73	±2.18	±5.17	±1.86	±2.15	±2.37	±1.43	±2.80	±4.69
14, ♀	19–	16–	8–15	6–20	20.5–	22.4–	18.5–	19.8–	21.9–	20.7–
n=5–6	30	26			26.7	27.2	27.8	24.1	31.0	33.0
<b>Konkani</b>	25.6	22.3	12.3	7.5	23.9	24.1	22.4	21.7	26.9	24.4
♂ n=16–	±3.38	±2.99	±2.83	±1.73	±2.27	±1.84	±2.53	±2.86	±3.83	±2.12
20, ♀	20–	19–	8–18	5–9	19.0–	22.7–	18.0–	18.6–	20.7–	22.2–
n=3–4	32	26			27.9	26.2	28.4	24.3	35.8	26.5

Telugu	25.2	21.0	11.5	8.5	24.4	25.8	22.1	21.6	28.4	28.5
♂ n=72-	$\pm 4.05$	$\pm 4.26$	$\pm 2.42$	$\pm 2.62$	$\pm 2.21$	$\pm 2.22$	$\pm 2.17$	$\pm 2.79$	$\pm 3.98$	$\pm 3.91$
78, ♀	15-	12-	7-18	3-14	20.2-	21.6-	16.8-	11.8-	18.8-	20.2-
n=55	33	31			32.1	31.2	27.7	28.3	36.7	37.4
Kannada	28.1	24.9	11.0	9.1	24.0	25.1	22.4	22.4	27.1	26.4
♂ n=149,	$\pm 3.97$	$\pm 4.12$	$\pm 2.44$	$\pm 2.55$	$\pm 2.48$	$\pm 2.04$	$\pm 2.72$	$\pm 2.74$	$\pm 3.74$	$\pm 3.20$
♀ n=61-	18-	14-	5-19	3-17	14.0-	19.1-	15.2-	12.4-	18.4-	19.7-
62	36	34			32.4	28.9	34.9	29.8	37.6	36.3
Tulu	24.3	20.1	10.9	8.0	24.1	26.6	22.7	22.3	26.2	25.8
♂ n=31, ♀	$\pm 3.20$	$\pm 3.42$	$\pm 2.52$	$\pm 2.26$	$\pm 2.38$	$\pm 2.01$	$\pm 2.47$	$\pm 2.57$	$\pm 4.28$	$\pm 3.16$
n=19	17-	15-	6-17	4-13	19.1-	23.1-	16.5-	17.3-	20.0-	20.0-
	32	25			29.3	30.6	26.7	26.9	37.3	30.9
Tamil	25.0	21.2	11.2	9.6	24.3	25.7	21.8	21.7	28.8	26.9
♂ n=111-	$\pm 3.22$	$\pm 3.78$	$\pm 2.38$	$\pm 2.66$	$\pm 2.26$	$\pm 2.25$	$\pm 2.44$	$\pm 2.51$	$\pm 3.25$	$\pm 3.56$
116, ♀	18-	14-	7-20	4-17	18.8-	19.0-	15.5-	17.0-	22.3-	20.2-
n=66-71	34	31			31.7	31.5	29.0	27.2	36.7	34.6
Malayalam	24.6	22.0	12.0	10.9	24.0	24.9	20.9	21.6	26.2	27.5
♂ n=11-	$\pm 3.04$	$\pm 3.10$	$\pm 2.74$	$\pm 2.02$	$\pm 1.22$	$\pm 1.63$	$\pm 1.88$	$\pm 2.18$	$\pm 3.74$	$\pm 3.79$
13, ♀	18-	18-	8-17	8-15	22.3-	23.5-	17.3-	17.5-	21.1-	22.8-
n=10-12	30	28			25.6	28.4	23.6	25.5	32.7	35.1

Table S6. Indians' measurements and indices showing vault-face relationships – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	BNL	BNL	BPL	BPL	BNL:	BNL:	XCB:	XCB:	ZYB:	ZYB:
	(mm)	(mm)	(mm)	(mm)	BPL	BPL	ZYB	ZYB	ASB	ASB
Punjabi	99.4	94.9	94.3	90.0	95.0	94.7	96.8	95.3	83.5	84.9
♂ n=115–	±4.56	±5.05	±5.04	±6.18	±4.08	±4.76	±4.68	±5.18	±4.13	±5.02
119, ♀	86–	83–	82–	75–	86.0–	85.9–	84.4–	82.4–	71.0–	72.0–
n=67–70	113	106	106	107	106.6	109.1	109.2	108.8	92.9	98.1
Haryanavi	101.7	99.0	95.2	93.6	93.8	94.6	98.5	98.3	83.8	83.8
♂ n=93–	±5.51	±4.92	±5.02	±5.16	±5.13	±4.56	±4.17	±4.03	±5.46	±3.96
96, ♀	91–	86–	84–	81–	77.7–	85.4–	87.4–	89.8–	70.8–	74.2–
n=51–52	118	115	116	105	114.9	102.1	107.5	110.3	98.2	93.3
Hindi	98.7	93.8	94.5	90.1	95.8	96.1	98.8	96.2	82.4	85.0
♂ n=180–	±4.01	±5.20	±5.01	±5.52	±4.66	±5.33	±4.18	±4.53	±4.25	±5.11
182, ♀ n=	86–	80–	80–	74–	82.5–	86.0–	86.2–	83.3–	69.5–	74.0–
115–121	108	105	108	107	112.0	113.3	113.2	104.4	91.4	104.1
Urdu	101.1	98.6	93.9	91.6	93.0	93.1	98.8	93.3	82.5	88.1
♂ n=14, ♀	±6.00	±9.34	±5.38	±7.64	±5.33	±5.99	±4.56	±5.77	±4.25	±5.22
n=5–6	82–	87–	85–	84–	85.3–	86.4–	90.2–	86.3–	75.4–	82.7–
	107	110	103	103	103.7	98.1	104.0	100.8	90.8	94.3
Konkani	101.9	96.5	96.0	89.8	94.3	93.0	98.0	96.0	82.3	88.9
♂ n=19–	±5.61	±8.35	±6.16	±8.06	±4.28	±2.74	±3.42	±4.76	±4.97	±8.13
20, ♀	90–	92–	86–	83–	86.0–	90.2–	94.0–	90.6–	75.6–	84.0–
n=3–4	114	109	106	101	101.9	96.8	105.0	99.1	93.3	98.2

Telugu	99.5	93.5	94.9	88.8	95.5	95.0	98.0	95.5	82.3	85.0
♂ n=78-	±5.06	±5.60	±4.67	±5.44	±4.64	±5.48	±4.35	±5.18	±4.34	±5.35
79, ♀	83-	79-	83-	78-	86.0-	79.8-	84.3-	83.1-	73.3-	73.7-
n=53-55	111	104	107	102	108.1	107.0	107.8	105.4	99.2	98.0
Kannada	98.3	94.3	92.2	88.9	93.9	94.5	97.6	95.6	82.6	84.7
♂ n=146-	±4.84	±4.13	±5.27	±4.43	±4.58	±5.02	±4.26	±4.17	±4.74	±3.90
149, ♀	84-	85-	82-	77-	82.8-	78.3-	83.7-	82.7-	72.0-	74.4-
n=60-62	115	107	105	101	108.3	105.2	109.9	105.5	96.3	96.3
Tulu	100.9	93.5	94.2	88.4	93.4	94.5	96.7	94.2	83.0	85.5
♂ n=30-	±5.28	±5.27	±5.31	±6.15	±4.89	±5.77	±4.89	±4.83	±5.17	±7.20
31, ♀	87-	84-	85-	79-	86.1-	84.0-	84.1-	82.0-	70.9-	69.0-
n=18-19	110	106	109	100	104.8	106.6	106.5	100.8	92.4	97.1
Tamil	99.6	93.9	94.5	88.7	95.0	94.6	98.4	96.3	83.1	85.1
♂ n=111-	±4.97	±5.19	±5.49	±5.42	±4.76	±4.98	±4.32	±5.11	±4.18	±5.29
116, ♀	83-	79-	81-	74-	81.8-	85.3-	87.4-	86.3-	72.9-	95.4-
n=69-71	113	105	106	101	111.9	106.3	107.3	106.7	95.2	101.0
Malayalam	98.8	95.3	96.6	92.3	97.8	97.1	99.3	95.9	82.7	86.1
♂ n=11-	±5.37	±3.72	±5.50	±3.20	±4.68	±4.80	±4.20	±4.85	±4.89	±5.59
13, ♀	88-	89-	85-	87-	89.3-	88.8-	93.6-	85.8-	73.7-	77.9-
n=12	107	100	106	97	106.6	105.6	108.0	103.4	89.7	98.3

Table S7. Indians' main facial measurements and indices – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	ZYB	ZYB	JUB	JUB	NPH	NPH	ZYB:	ZYB:	ZYB:	ZYB:
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	NPH	NPH	ZMB	ZMB
<b>Punjabi</b>	123.2	117.8	109.6	104.4	63.6	59.2	51.6	50.5	75.0	75.4
♂ n=116–	±6.06	±5.56	±5.17	±5.73	±5.19	±5.35	±3.69	±3.92	±3.15	±4.06
119, ♀	108–	97–	96–	79–	49–	46–	40.5–	37.1–	65.6–	62.1–
n=65–70	135	130	124	118	76	69	59.7	57.1	84.1	87.0
<b>Haryanavi</b>	127.2	122.4	110.9	108.0	64.7	62.5	50.9	51.1	72.3	73.8
♂ n=95–	±4.55	±4.11	±4.22	±5.83	±4.84	±5.80	±4.02	±4.74	±3.85	±4.60
96, ♀	114–	114–	102–	92–	53–	49–	42.7–	38.6–	63.0–	63.5–
n=51–52	137	129	120	124	77	74	61.9	60.8	82.0	81.8
<b>Hindi</b>	124.1	117.1	109.6	103.7	64.0	60.7	51.5	51.9	74.5	76.2
♂ n=179–	±4.95	±7.11	±4.52	±6.25	±4.57	±5.40	±3.56	±4.10	±3.50	±3.52
181, ♀ n=	109–	95–	99–	83–	52–	49–	40.3–	42.7–	65.1–	67.3–
115–119	134	130	124	124	78	75	64.5	62.8	85.5	85.0
<b>Urdu</b>	125.4	116.4	112.6	106.0	64.8	58.0	51.7	49.1	75.4	76.9
♂ n=14, ♀	±4.57	±8.79	±5.08	±7.67	±3.96	±3.90	±2.75	±2.89	±4.15	±2.08
n=5–6	119–	106–	106–	96–	56–	53–	46.7–	45.2–	68.0–	74.0–
	134	127	124	115	70	63	58.0	53.1	82.6	79.6
<b>Konkani</b>	125.9	118.0	111.1	103.0	63.5	63.3	50.6	53.0	75.0	74.3
♂ n=18–	±5.38	±6.08	±4.41	±5.72	±4.51	±7.14	±3.63	±4.91	±3.56	±1.98
20, ♀	116–	114–	103–	96–	55–	55–	44.6–	47.8–	63.6–	74.6–
n=3–4	138	125	119	110	74	72	58.6	57.6	79.5	78.4

Telugu	125.5	117.8	111.1	104.6	63.2	58.4	50.4	49.5	74.6	74.3
♂ n=78–	±5.35	±7.61	±4.81	±6.67	±4.67	±5.35	±3.84	±3.35	±3.38	±3.54
79, ♀	110–	96–	101–	86–	51–	46–	40.6–	43.1–	68.7–	66.9–
n=53–55	138	133	124	126	72	70	62.7	55.7	82.3	82.6
Kannada	122.6	116.2	108.8	104.0	62.9	59.5	51.3	51.2	75.2	75.8
♂ n=148–	±5.51	±4.16	±4.47	±3.28	±4.76	±4.90	±3.97	±3.89	±3.47	±2.82
149, ♀	108–	107–	95–	95–	52–	47–	43.6–	42.3–	65.1–	68.0–
n=61–62	136	126	119	111	74	72	64.8	58.5	88.0	81.2
Tulu	125.6	114.8	111.6	102.8	61.7	54.6	49.3	47.6	74.3	74.8
♂ n=31, ♀	±7.14	±7.97	±4.64	±5.87	±4.32	±5.51	±4.17	±3.11	±4.81	±3.80
n=18–19	106–	101–	101–	91–	50–	43–	40.0–	41.3–	62.7–	67.6–
	135	127	120	113	69	63	56.4	52.5	90.6	84.4
Tamil	125.2	117.2	109.8	104.7	63.4	58.2	50.7	49.9	74.3	75.7
♂ n=102–	±4.52	±6.81	±4.17	±6.56	±4.21	±4.83	±3.65	±3.11	±3.10	±3.13
114, ♀	115–	101–	101–	87–	54–	48–	40.5–	43.4–	67.5–	66.7–
n=64–71	139	136	122	120	72	68	60.2	56.8	83.1	83.8
Malayalam	125.5	118.3	111.0	105.2	61.6	57.9	49.2	49.0	73.3	75.2
♂ n=11–	±5.37	±4.60	±4.24	±2.49	±2.90	±3.96	±2.46	±2.97	±2.47	±2.80
13, ♀	117–	113–	107–	101–	55–	49–	45.1–	43.4–	66.9–	67.8–
n=10–12	136	127	123	108	65	65	53.3	53.8	75.4	78.0

Table S8. Indians' frontal-facial measurements and index of upper facial projection – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	FMB	FMB	NAS	NAS	FMB:	FMB:	GLS	GLS	SOS	SOS
	(mm)	(mm)	(mm)	(mm)	NAS	NAS	(mm)	(mm)	(mm)	(mm)
<b>Punjabi</b>	94.9	91.2	19.4	18.4	20.4	20.2	3.3	2.4	5.9	4.1
♂ n=119, ♀ n=71	$\pm 4.52$	$\pm 4.23$	+2.87	+2.78	$\pm 2.95$	$\pm 3.01$	$\pm 1.20$	$\pm 1.10$	$\pm 2.20$	$\pm 1.82$
	86–108	74–102	12–29	9–24	12.9–31.5	9.4–26.1	1–6	1–5	2–11	2–10
<b>Haryanavi</b>	95.2	92.5	20.2	19.8	21.2	21.3	3.4	2.2	3.9	3.4
♂ n=95–96, ♀ n=52	$\pm 3.83$	$\pm 3.68$	+2.67	+2.08	$\pm 2.58$	$\pm 2.05$	$\pm 1.24$	$\pm 1.12$	$\pm 1.47$	$\pm 1.69$
	86–106	85–105	14–28	15–23	14.9–30.4	17.0–25.9	1–6	1–5	1–10	1–8
<b>Hindi</b>	94.0	89.7	19.4	18.3	20.6	20.4	3.4	2.1	5.0	3.3
♂ n=180–182, ♀ n=119–120	$\pm 3.83$	$\pm 4.95$	+2.74	+2.57	$\pm 2.78$	$\pm 2.69$	$\pm 1.30$	$\pm 1.03$	$\pm 2.02$	$\pm 1.80$
	84–110	76–102	13–29	12–25	14.3–30.9	13.6–26.3	1–9	0–7	1–10	0–11
<b>Urdu</b>	96.2	91.5	20.8	18.7	21.6	20.4	3.2	1.8	3.6	2.2
♂ n=14, ♀ n=6	$\pm 4.21$	$\pm 6.22$	+2.04	+2.25	$\pm 2.29$	$\pm 1.46$	$\pm 1.88$	$\pm 0.98$	$\pm 0.84$	$\pm 0.75$
	89–103	84–101	17–23	17–23	18.0–25.8	18.9–22.8	1–5	1–3	3–6	1–3
<b>Konkani</b>	95.8	94.3	20.3	19.5	21.2	20.8	3.0	1.8	2.6	2.3
♂ n=20, ♀ n=4	$\pm 3.27$	$\pm 4.86$	+2.02	+3.32	$\pm 2.21$	$\pm 3.84$	$\pm 0.83$	$\pm 1.75$	$\pm 0.69$	$\pm 2.25$
	91–101	88–99	15–23	15–22	16.3–24.2	15.2–23.7	1–4	0–4	1–4	1–4

Telugu	95.2	90.5	19.4	18.5	20.3	20.5	3.3	1.7	3.5	2.2
♂ n=76-79,	$\pm 3.98$	$\pm 4.99$	+2.95	+2.95	$\pm 2.78$	$\pm 2.85$	$\pm 1.22$	$\pm 1.00$	$\pm 1.01$	$\pm 0.94$
♀ n=53-55	86-	78-	11-26	11-25	12.4-	11.3-	1-8	0-5	2-8	1-4
	103	100			25.2	25.8				
Kannada	95.0	91.3	18.6	18.6	19.6	20.4	2.5	1.2	2.1	1.4
♂ n=149, ♀	$\pm 4.11$	$\pm 3.39$	+2.86	+2.36	$\pm 2.74$	$\pm 2.32$	$\pm 1.27$	$\pm 0.70$	$\pm 0.99$	$\pm 0.66$
n=61-62	83-	82-97	8-26	13-25	9.2-	14.9-	0-8	0-3	0-5	0-3
	111				26.5	26.7				
Tulu	97.0	89.5	20.2	18.9	20.8	21.2	2.7	1.5	2.9	1.7
♂ n=31, ♀	$\pm 3.83$	$\pm 5.06$	+2.78	+2.30	$\pm 2.57$	$\pm 2.42$	$\pm 1.10$	$\pm 0.70$	$\pm 0.85$	$\pm 0.89$
n=19	89-	81-99	15-25	13-22	15.2-	14.8-	0-5	1-3	1-5	0-3
	104				26.3	24.4				
Tamil	95.1	90.6	19.6	18.2	20.6	20.1	3.1	1.7	2.7	2.2
♂ n=116, ♀	$\pm 3.89$	$\pm 4.51$	+2.44	+2.43	$\pm 2.30$	$\pm 2.73$	$\pm 1.02$	$\pm 0.95$	$\pm 1.42$	$\pm 1.42$
n=71	86-	78-	14-26	13-27	15.4-	13.8-	1-6	0-4	1-12	0-10
	106	100			27.1	31.0				
Malayalam	95.6	92.7	18.5	18.1	19.3	19.5	3.1	2.0	2.8	1.7
♂ n=13, ♀	$\pm 2.02$	$\pm 1.97$	+2.44	+1.98	$\pm 2.53$	$\pm 2.07$	$\pm 0.95$	$\pm 1.28$	$\pm 0.7$	$\pm 1.1$
n=12	92-99	89-96	13-22	15-22	13.1-	16.3-	1-4	0-4	3	5
					23.2	23.4			2-4	0-3



Table S9. Indians' mid-facial breadths, orbital diameters and orbital index – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	EKB	EKB	ZMB	ZMB	OBH	OBH	OBB	OBB	OBB:	OBB:
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	OBH	OBH
<b>Punjabi</b>	94.7	91.4	92.6	88.9	33.1	32.7	39.2	38.3	84.6	85.6
♂ n=119,	±4.51	±3.88	±5.20	±5.50	±2.08	±2.12	±2.05	±2.05	±5.91	±6.19
♀ n=70–71	84–	74–	79–	77–	29–	28–	34–	31–	69.7–	71.4–
	109	100	108	104	40	37	45	43	100.0	100.0
<b>Haryanavi</b>	94.4	91.8	91.9	90.2	33.4	32.9	39.4	38.3	84.8	85.7
♂ n=96, ♀	±3.37	±3.74	±5.40	±5.19	±2.21	±2.63	±2.17	±2.17	±5.94	±7.07
n=52	86–	83–	80–	75–	26–	25–	34–	32–	70.7–	64.1–
	104	103	106	99	38	39	44	44	97.4	103.1
<b>Hindi</b>	93.7	89.8	92.5	88.4	32.2	31.8	39.1	37.5	82.7	84.7
♂ n=180–	±3.37	±4.53	±4.58	±5.93	±1.90	±2.00	±1.69	±2.03	±4.75	±5.04
182, ♀ n=	85–	76–	79–	72–	27–	26–	35–	32–	69.8–	71.8–
119–120	104	100	104	104	37	36	44	44	95.6	98.3
<b>Urdu</b>	95.9	91.5	94.5	89.2	33.0	33.2	42.2	38.8	78.3	84.3
♂ n=14, ♀	±4.38	±6.02	±4.47	±5.31	±1.80	±2.17	±2.08	±2.64	±4.93	±9.13
n=5–6	88–	83–	85–	82–	30–	30–	38–	36–	71.4–	81.0–
	105	100	101	96	36	36	46	42	85.4	89.2
<b>Konkani</b>	95.6	94.5	94.4	90.5	32.0	33.5	42.4	40.5	75.5	83.4
♂ n=19–	±3.74	±4.51	±5.13	±5.80	±2.94	±1.91	±1.90	±4.93	±5.73	±5.11
20, ♀ n=4	90–	88–98	82–	85–	27–	31–	39–	35–	67.5–	74.5–
	104		103	98	39	35	45	47	92.9	94.3

Telugu	94.8	90.9	93.5	87.4	32.3	32.0	41.9	40.3	77.2	79.6
♂ n=78–	$\pm 3.69$	$\pm 4.70$	$\pm 5.15$	$\pm 6.10$	$\pm 1.70$	$\pm 2.15$	$\pm 2.31$	$\pm 2.27$	$\pm 5.60$	$\pm 5.11$
79, ♀	87–	77–	83–	68–	28–	28–	37–	35–	66.7–	71.1–
n=54–55	104	100	108	98	36	38	47	45	91.9	92.7
Kannada	93.8	90.1	92.2	88.1	32.3	32.3	40.2	38.8	80.5	83.4
♂ n=149,	$\pm 3.75$	$\pm 3.40$	$\pm 4.79$	$\pm 3.82$	$\pm 2.06$	$\pm 2.24$	$\pm 2.78$	$\pm 2.09$	$\pm 5.60$	$\pm 5.87$
♀ n=61–62	81–	83–97	80–	78–	28–	28–	33–	33–	69.0–	69.0–
	103		105	98	38	37	46	44	94.4	94.9
Tulu	95.6	90.1	93.1	85.8	32.6	31.7	41.8	39.4	78.2	80.6
♂ n=31, ♀	$\pm 4.92$	$\pm 4.83$	$\pm 5.23$	$\pm 6.33$	$\pm 2.20$	$\pm 2.19$	$\pm 1.76$	$\pm 2.93$	$\pm 5.63$	$\pm 5.00$
n=18–19	82–	80–97	84–	71–	29–	29–	38–	34–	70.5–	73.8–
	104		107	95	38	36	44	44	92.3	88.6
Tamil	94.4	90.4	92.8	88.4	32.2	31.9	41.6	39.8	77.3	80.1
♂ n=108–	$\pm 3.63$	$\pm 4.28$	$\pm 5.26$	$\pm 6.00$	$\pm 1.84$	$\pm 1.82$	$\pm 2.06$	$\pm 1.99$	$\pm 4.83$	$\pm 4.34$
114, ♀	86–	78–	80–	73–	27–	28–	37–	35–	68.2–	70.7–
n=68–71	105	100	105	100	37	36	46	43	92.3	91.9
Malayalam	94.7	91.8	91.8	89.0	31.3	31.1	41.8	39.9	75.2	77.9
♂ n=11–	$\pm 3.07$	$\pm 1.99$	$\pm 3.86$	$\pm 4.22$	$\pm 1.71$	$\pm 1.38$	$\pm 1.40$	$\pm 1.22$	$\pm 4.84$	$\pm 3.12$
12, ♀	91–	88–95	86–	82–	29–	29–	40–	37–	69.8–	72.5–
n=11–12	101		102	95	35	33	44	42	85.4	82.5

Table S10. Indians' breadths across the nasal saddle, nasal aperture measurements and nasal index – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	DKB	DKB	WNB	WNB	NLH	NLH	NLB	NLB	NLH:	NLH:
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	NLB	NLB
<b>Punjabi</b>	20.2	19.1	9.3	8.7	48.8	46.3	25.0	24.1	51.2	52.2
♂ n=119,	$\pm 2.46$	$\pm 2.37$	$\pm 2.22$	$\pm 1.53$	$\pm 3.07$	$\pm 3.56$	$\pm 2.20$	$\pm 2.11$	$\pm 4.43$	$\pm 5.00$
♀ n=69–70	13–	16–	3–19	5–13	42–	34–	19–	19–	39.5–	40.8–
	29	28			57	54	32	30	63.3	64.3
<b>Haryanavi</b>	20.0	19.3	9.2	8.9	50.5	48.5	25.5	24.4	50.7	50.6
♂ n=96, ♀	$\pm 2.34$	$\pm 2.03$	$\pm 1.58$	$\pm 1.86$	$\pm 3.19$	$\pm 4.23$	$\pm 1.92$	$\pm 2.21$	$\pm 4.21$	$\pm 6.01$
n=52	15–	14–	5–14	5–14	42–	34–	22–	20–	39.0–	38.9–
	26	25			59	55	32	29	61.4	70.6
<b>Hindi</b>	19.6	18.7	8.7	8.6	49.1	46.2	24.8	23.7	50.8	51.5
♂ n=180–	$\pm 2.41$	$\pm 2.24$	$\pm 1.69$	$\pm 1.93$	$\pm 2.88$	$\pm 3.68$	$\pm 1.95$	$\pm 2.07$	$\pm 4.58$	$\pm 4.16$
182, ♀ n=	10–	14–	5–14	5–16	41–	36–	20–	19–	39.2–	40.9–
120–121	28	25			59	53	30	28	65.9	62.2
<b>Urdu</b>	18.9	18.5	8.9	8.0	49.9	46.2	25.6	24.7	51.2	53.9
♂ n=14, ♀	$\pm 1.77$	$\pm 1.76$	$\pm 1.46$	$\pm 2.28$	$\pm 3.06$	$\pm 4.40$	$\pm 3.37$	$\pm 1.21$	$\pm 5.48$	$\pm 6.37$
n=6	15–	16–	6–12	5–10	41–	40–	15–	23–	36.6–	47.9–
	21	21			54	51	29	28	58.0	61.9
<b>Konkani</b>	17.9	19.5	8.9	10.3	49.4	48.0	25.0	24.2	50.8	50.5
♂ n=20, ♀	$\pm 2.55$	$\pm 2.52$	$\pm 1.48$	$\pm 4.99$	$\pm 3.05$	$\pm 2.94$	$\pm 2.13$	$\pm 2.22$	$\pm 4.63$	$\pm 3.16$
n=4	9–22	16–	6–12	6–17	45–	45–	21–	21–	42.3–	46.7–
		22			57	51	29	26	58.3	54.3

Telugu	18.5	17.5	8.6	8.6	49.3	45.5	25.3	23.2	51.4	51.3
♂ n=77-	$\pm 2.53$	$\pm 2.56$	$\pm 2.00$	$\pm 1.86$	$\pm 2.68$	$\pm 4.30$	$\pm 1.73$	$\pm 2.57$	$\pm 3.98$	$\pm 5.59$
79, ♀	13-	10-	5-15	5-13	42-	34-	21-	15-	38.9-	35.4-
n=54-55	26	22			55	54	29	26	61.4	62.2
Kannada	18.7	18.0	9.8	9.9	48.0	45.6	24.7	23.7	51.6	52.0
♂ n=149,	$\pm 2.81$	$\pm 2.42$	$\pm 2.02$	$\pm 2.68$	$\pm 3.06$	$\pm 2.81$	$\pm 1.90$	$\pm 2.32$	$\pm 4.67$	$\pm 5.02$
♀ n=60-62	11-	12-	5-15	5-17	39-	40-	20-	19-	37.7-	42.2-
	26	24			57	52	29	29	64.4	61.4
Tulu	18.9	17.3	9.4	8.5	49.0	43.6	24.9	22.5	50.9	51.8
♂ n=31, ♀	$\pm 2.89$	$\pm 2.14$	$\pm 2.23$	$\pm 1.39$	$\pm 2.77$	$\pm 4.22$	$\pm 2.96$	$\pm 2.26$	$\pm 6.93$	$\pm 4.34$
n=18-19	12-	15-	6-16	7-11	40-	34-	16-	19-	33.3-	43.5-
	24	24			53	52	32	26	67.5	60.5
Tamil	17.8	17.3	8.5	7.9	49.0	45.9	25.4	24.2	52.1	52.8
♂ n=114-	$\pm 2.24$	$\pm 2.42$	$\pm 1.76$	$\pm 1.98$	$\pm 2.78$	$\pm 3.54$	$\pm 1.86$	$\pm 2.42$	$\pm 5.18$	$\pm 4.09$
116, ♀	11-	12-	3-14	4-12	42-	38-	21-	19-	41.8-	44.4-
n=70-71	24	24			55	57	29	30	80.0	62.5
Malayalam	17.0	17.3	8.5	8.3	48.9	45.5	25.2	25.2	51.6	54.7
♂ n=13, ♀	$\pm 2.12$	$\pm 1.92$	$\pm 1.66$	$\pm 1.23$	$\pm 1.75$	$\pm 3.72$	$\pm 1.74$	$\pm 2.59$	$\pm 3.46$	$\pm 3.91$
n=11-12	14-	13-	5-10	7-10	46-	37-	23-	22-	46.0-	47.8-
	20	20			52	50	28	29	56.3	60.5

Table S11. Indians' mid-facial subtenses (in mm) – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	DKS	DKS	SSS	SSS	NDS	NDS	SIS	SIS	MLS	MLS
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
<b>Punjabi</b>	13.2	13.4	24.2	22.8	10.5	9.3	4.2	3.5	9.9	9.3
♂ n=117–	±2.89	±2.73	±3.04	±3.44	±2.49	±2.31	±1.39	±1.41	±1.65	±1.96
119, ♀	6–27	8–24	14–	15–	4–18	3–15	1–8	1–7	5–13	3–14
n=68–70			31	33						
<b>Haryanavi</b>	14.3	13.8	24.8	24.3	12.0	10.6	5.3	4.9	10.3	9.8
♂ n=96, ♀	±2.33	±1.98	±2.64	±3.46	±2.31	±1.85	±1.34	±1.33	±1.67	±1.76
n=52	10–	9–19	17–	17–	8–19	7–15	3–	2–8	7–14	6–14
	20		30	31			10			
<b>Hindi</b>	13.1	12.9	24.2	22.8	10.6	9.1	4.7	4.1	9.8	9.4
♂ n=180–	±2.07	±2.16	±3.26	±3.26	±2.25	±2.03	±1.36	±1.42	±1.53	±1.67
181, ♀ n=	8–19	6–17	16–	16–	4–16	5–15	1–9	2–8	5–14	6–17
118–119			34	33						
<b>Urdu</b>	16.9	14.7	23.5	22.3	11.1	8.5	5.9	4.0	10.1	9.8
♂ n=14, ♀	±2.11	±1.97	±3.20	±2.07	±2.07	±3.21	±1.83	±0.82	±1.56	±2.64
n=4–6	13–	12–18	18–	20–	6–14	6–13	2–8	3–5	7–12	7–14
	20		29	25						
<b>Konkani</b>	17.5	15.8	24.2	18.5	9.3	9.8	4.6	3.3	9.7	9.3
♂ n=18–20,	±2.04	±2.99	±4.55	±5.57	±2.55	±1.89	±1.43	±0.50	±1.38	±0.96
♀ n=4	12–	13–20	14–	11–	4–13	7–11	2–7	3–4	6–12	8–10
	20		30	24						

Telugu	14.1	13.9	23.5	21.9	10.3	8.6	5.0	4.0	9.6	9.0
♂ n=76-79,	$\pm 2.52$	$\pm 2.82$	$\pm 3.07$	$\pm 2.69$	$\pm 2.64$	$\pm 2.55$	$\pm 1.33$	$\pm 1.44$	$\pm 1.71$	$\pm 2.03$
♀ n=54-55	8-19	8-22	15-	17-	4-16	4-14	2-8	2-7	5-13	5-15
			31	28						
Kannada	16.1	15.3	22.6	21.6	8.9	8.4	4.0	3.8	9.9	8.7
♂ n=149, ♀	$\pm 2.96$	$\pm 2.81$	$\pm 3.95$	$\pm 2.98$	$\pm 2.41$	$\pm 2.37$	$\pm 1.39$	$\pm 1.39$	$\pm 1.89$	$\pm 1.74$
n=60-61	10-	10-25	12-	12-	4-15	4-15	1-9	1-10	4-17	4-13
	26		34	28						
Tulu	17.1	15.2	23.5	20.1	9.3	8.5	4.3	3.7	9.9	9.2
♂ n=31, ♀	$\pm 2.94$	$\pm 3.01$	$\pm 3.35$	$\pm 3.41$	$\pm 2.33$	$\pm 2.34$	$\pm 1.62$	$\pm 1.00$	$\pm 1.86$	$\pm 1.32$
n=17-19	12-	8-19	15-	10-	5-13	5-15	1-8	2-6	7-14	6-11
	23		29	24						
Tamil	16.0	14.5	23.2	21.6	9.4	8.2	4.7	3.7	9.4	9.1
♂ n=108-	$\pm 2.62$	$\pm 2.19$	$\pm 3.47$	$\pm 3.10$	$\pm 2.20$	$\pm 2.34$	$\pm 1.54$	$\pm 1.31$	$\pm 1.66$	$\pm 2.12$
116, ♀	9-23	9-19	12-	13-	4-15	3-13	1-9	1-7	5-14	4-15
n=68-71			32	28						
Malayalam	15.2	15.4	22.6	19.8	8.1	8.9	4.8	4.0	10.2	9.7
♂ n=11-13,	$\pm 2.23$	$\pm 2.35$	$\pm 2.68$	$\pm 3.79$	$\pm 1.61$	$\pm 2.11$	$\pm 1.48$	$\pm 1.13$	$\pm 2.08$	$\pm 1.44$
♀ n=12	12-	13-20	19-	15-	5-11	6-13	3-9	2-6	8-15	7-12
	19		28	27						

Table S12. Indians' mid-facial flatness indices – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀
	EKB:	EKB:	ZMB:	ZMB:	DKB:	DKB:	WNB:	WNB:
	DKS	DKS	SSS	SSS	NDS	NDS	SIS	SIS
<b>Punjabi</b>	14.0	14.7	26.2	25.6	52.6	49.3	46.6	40.9
♂ n=119,	±3.06	±2.93	±3.26	±3.48	±12.82	±12.35	±15.72	±15.47
♀ n=68–	6.1–	8.3–	15.6–	18.1–	17.4–	18.8–	11.1–	10.0–
70	27.6	25.3	34.2	34.4	85.3	88.2	80.0	71.7
<b>Haryanavi</b>	15.2	15.1	27.1	26.9	60.9	55.7	58.6	57.5
♂ n=95–	±2.48	±2.11	±3.09	±3.43	±12.36	±11.21	±15.61	±18.74
96, ♀	10.6–	10.3–	18.7–	18.1–	38.1–	38.1–	27.3–	16.7–
n=52	22.0	20.9	33.3	33.0	95.0	83.3	100.0	100.0
<b>Hindi</b>	14.0	14.3	26.2	25.9	54.7	49.3	55.3	48.8
♂ n=180–	±2.20	±2.37	±3.43	±3.49	±12.54	±11.67	±15.82	±15.72
181, ♀ n=	8.6–	7.1–	17.6–	18.5–	23.3–	25.0–	18.2–	18.8–
118–119	20.0	18.9	34.4	36.3	87.5	85.7	100.0	90.9
<b>Urdu</b>	17.6	15.3	24.9	25.2	59.0	46.3	66.4	53.2
♂ n=14, ♀	±2.15	±1.79	±3.48	±3.16	±10.54	±17.04	±19.66	±18.35
n=4–6	13.7–	12.8–	18.9–	21.3–	33.3–	33.3–	25.0–	40.0–
	20.9	18.0	30.8	30.5	75.0	72.2	100.0	80.0
<b>Konkani</b>	18.3	16.6	25.6	20.5	51.6	49.7	51.8	36.7
♂ n=18–	±2.18	±2.95	±4.59	±5.96	±12.62	±4.61	±16.68	±13.88
20, ♀ n=4	12.5–	14.8–	14.7–	12.0–	33.3–	43.8–	20.0–	17.6–
	22.0	21.1	32.6	24.7	81.3	55.0	87.5	50.0

Telugu	14.8	16.0	25.2	25.0	56.0	48.9	59.8	46.6
♂ n=76-	$\pm 2.53$	$\pm 2.76$	$\pm 3.15$	$\pm 2.65$	$\pm 14.05$	$\pm 14.05$	$\pm 16.88$	$\pm 14.90$
79, ♀	8.2-	8.2-	16.3-	19.1-	22.2-	25.0-	25.0-	22.2-
n=54-55	19.6	22.4	32.3	31.0	94.1	86.7	100.0	85.7
Kannada	17.2	17.0	24.5	24.6	47.8	46.8	42.1	39.9
♂ n=149,	$\pm 3.08$	$\pm 3.00$	$\pm 4.02$	$\pm 3.44$	$\pm 12.13$	$\pm 11.56$	$\pm 14.94$	$\pm 12.56$
♀ n=60-	10.4-	11.6-	12.9-	13.6-	22.2-	22.2-	11.1-	10.0-
61	27.4	27.2	37.1	31.8	86.7	75.0	87.5	66.7
Tulu	17.9	16.9	25.3	23.5	50.5	49.3	47.4	43.8
♂ n=31, ♀	$\pm 3.11$	$\pm 3.23$	$\pm 3.72$	$\pm 4.17$	$\pm 15.76$	$\pm 12.98$	$\pm 18.42$	$\pm 11.02$
n=17-19	12.7-	9.1-	17.0-	12.2-	28.6-	25.0-	9.1-	27.3-
	23.9	20.7	31.5	29.6	86.7	78.9	85.7	71.4
Tamil	17.0	16.1	25.0	24.5	53.1	48.0	55.9	48.7
♂ n=108-	$\pm 2.72$	$\pm 2.39$	$\pm 3.61$	$\pm 3.55$	$\pm 13.76$	$\pm 14.80$	$\pm 17.45$	$\pm 17.50$
116, ♀	8.9-	9.5-	13.8-	15.1-	23.5-	16.7-	20.0-	12.5-
n=68-71	23.7	20.5	34.1	31.8	93.8	80.0	100.0	100.0
Malayalam	16.1	16.8	24.7	22.3	48.5	51.9	57.5	48.9
♂ n=11-	$\pm 2.48$	$\pm 2.57$	$\pm 3.06$	$\pm 4.63$	$\pm 12.46$	$\pm 12.33$	$\pm 17.93$	$\pm 16.60$
13, ♀	11.9-	13.7-	18.6-	16.1-	25.0-	30.0-	37.5-	28.6-
n=12	19.8	21.3	30.4	29.3	73.3	68.8	90.0	85.7



Table S13. Indians' minimum cranial breadth and lower facial measurements – means, standard deviations and ranges

Series	♂	♀	♂	♀	♂	♀	♂	♀	♂	♀
	WCB	WCB	MAB	MAB	IML	IML	XML	XML	WMH	WMH
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
<b>Punjabi</b>	70.5	68.4	61.3	59.3	32.8	30.3	50.0	46.7	21.2	19.1
♂ n=118–	±4.29	±4.35	±5.00	±4.65	±3.87	±4.23	±4.76	±4.63	±2.87	±2.48
119, ♀	59–	54–	47–	48–	23–	21–	38–	34–	11–29	13–24
n=68–70	82	78	73	72	42	39	62	56		
<b>Haryanavi</b>	67.8	64.3	60.1	59.8	33.8	31.9	51.5	48.7	21.9	20.8
♂ n=96, ♀	±4.92	±5.45	±4.36	±4.47	±3.61	±3.83	±3.55	±4.06	±2.52	±2.25
n=52	57–	50–	48–	48–	21–	24–	42–	40–	14–30	16–27
	84	79	69	67	41	41	59	57		
<b>Hindi</b>	69.7	65.7	61.0	58.4	32.9	30.4	50.2	46.9	21.1	19.7
♂ n=181–	±3.70	±4.17	±4.41	±4.04	±3.39	±3.69	±3.83	±3.65	±2.13	±2.23
182, ♀ n=	59–	57–	48–	44–	23–	23–	34–	36–	16–26	15–25
118–121	79	76	71	69	41	40	61	55		
<b>Urdu</b>	69.8	66.5	62.1	58.7	34.6	31.5	52.8	46.7	22.3	21.2
♂ n=14, ♀	±5.86	±5.13	±4.73	±1.86	±2.59	±6.35	±3.33	±8.69	±2.02	±2.48
n=6	55–	62–	53–	57–	30–	22–	45–	35–	19–25	18–25
	78	76	71	62	41	39	57	57		
<b>Konkani</b>	70.6	71.3	63.3	58.0	34.3	29.3	51.7	45.8	21.2	20.5
♂ n=20, ♀	±4.06	±7.76	±4.15	±2.16	±3.57	±4.03	±3.88	±4.35	±1.67	±1.91
n=4	62–	65–	54–	55–	26–	25–	43–	40–	18–24	19–23
	78	81	69	60	40	34	58	50		

Telugu	69.0	66.4	61.6	57.8	33.3	30.5	50.1	45.7	21.5	18.7
♂ n=78–	±4.06	±4.73	±4.53	±4.93	±3.59	±4.02	±4.24	±4.93	±2.68	±2.15
79, ♀	58–	57–	50–	46–	26–	22–	41–	37–	12–27	14–23
n=54–55	77	80	70	69	42	39	60	59		
Kannada	68.8	65.8	59.6	56.7	32.7	31.0	48.8	45.6	21.4	19.7
♂ n=147–	±3.89	±4.34	±4.19	±3.83	±3.74	±3.50	±4.23	±3.77	±2.60	±1.90
149, ♀	59–	56–	45–	46–	21–	20–	40–	37–	16–29	15–24
n=61–62	79	75	67	64	42	39	59	53		
Tulu	70.2	65.8	60.6	56.6	34.7	31.9	52.0	46.9	20.4	18.3
♂ n=31, ♀	±4.33	±3.56	±4.93	±5.47	±3.63	±4.20	±4.05	±4.68	±1.72	±2.05
n=18–19	62–	57–	52–	45–	26–	25–	45–	41–	17–24	15–22
	82	73	70	66	42	42	61	59		
Tamil	69.2	66.7	60.6	56.4	33.9	30.9	49.8	45.7	21.1	19.1
♂ n=114–	±3.80	±4.03	±4.88	±4.92	±3.50	±3.61	±4.15	±4.94	±2.06	±2.13
116, ♀	61–	60–	46–	46–	27–	22–	39–	33–	15–27	14–25
n=70–71	81	78	71	68	44	38	61	57		
Malayalam	71.1	68.8	62.8	59.3	35.4	33.3	51.6	47.8	21.8	19.1
♂ n=12–	±4.29	±4.31	±2.92	±2.45	±4.34	±1.96	±3.80	±3.16	±1.63	±2.31
13, ♀	62–	59–	58–	56–	25–	30–	45–	44–	18–24	15–23
n=12	76	74	67	64	40	36	57	53		