

**Supplementary Table 1.** Korean obesity index standard reference in Busan

Sex	Age (yr)	Sample size (No.)	Mean (mean)	Uncertainty (kg/m <sup>2</sup> )	CI (95%)		Percentile								
					Lower	Upper	1th	5th	10th	25th	50th	75th	90th	95th	99th
Female	20-24	15,393	21.40	0.84	17.26	28.07	16.1	17.3	17.9	19.1	20.7	<b>22.8</b>	25.7	28.1	33.9
	25-26	13,677	21.23	0.84	17.36	27.69	16.2	17.4	18.0	19.1	20.5	<b>22.5</b>	25.3	27.7	33.2
	27-28	14,742	21.27	0.84	17.36	27.89	16.3	17.4	18.0	19.1	20.5	<b>22.5</b>	25.5	27.9	33.7
	29-30	14,787	21.49	0.84	17.47	28.31	16.4	17.5	18.1	19.2	20.7	<b>22.9</b>	25.8	28.3	33.9
	31-32	13,283	21.77	0.84	17.58	28.76	16.4	17.6	18.2	19.4	21.0	<b>23.2</b>	26.3	28.8	33.7
	33-34	14,492	21.97	0.86	17.65	29.00	16.5	17.6	18.4	19.5	21.2	<b>23.5</b>	26.7	29.0	34.3
	35-36	14,565	22.10	0.86	17.78	29.27	16.6	17.8	18.4	19.7	21.3	<b>23.7</b>	26.8	29.3	34.4
	37-38	12,807	22.21	0.86	17.91	29.00	16.7	17.9	18.6	19.8	21.5	<b>23.8</b>	26.8	29.0	33.6
	39-40	29,420	22.52	0.86	18.13	29.37	16.8	18.1	18.8	20.1	21.8	<b>24.2</b>	27.2	29.4	34.2
	41-42	30,621	22.63	0.88	18.26	29.30	17.0	18.3	18.9	20.2	22.0	<b>24.3</b>	27.1	29.3	33.7
	43-44	32,708	22.78	0.88	18.43	29.17	17.1	18.4	19.1	20.4	22.2	<b>24.5</b>	27.2	29.2	33.3
	45-46	33,650	23.01	0.88	18.66	29.32	17.4	18.7	19.4	20.7	22.4	<b>24.7</b>	27.4	29.3	33.5
	47-48	34,876	23.26	0.90	18.83	29.33	17.4	18.8	19.6	21.0	22.8	<b>25.0</b>	27.5	29.3	33.3
	49-50	32,689	23.35	0.90	18.97	29.21	17.5	19.0	19.7	21.1	22.9	<b>25.1</b>	27.5	29.2	32.9
	51-52	34,014	23.39	0.90	19.04	29.14	17.6	19.0	19.8	21.2	23.0	<b>25.1</b>	27.5	29.1	32.9
	53-54	41,767	23.46	0.92	19.14	29.09	17.6	19.1	19.9	21.4	23.1	<b>25.2</b>	27.5	29.1	32.5
	55-56	44,976	23.59	0.92	19.22	29.17	17.7	19.2	20.0	21.5	23.2	<b>25.3</b>	27.6	29.2	32.5
	57-58	41,153	23.74	0.92	19.29	29.24	17.7	19.3	20.2	21.6	23.4	<b>25.5</b>	27.7	29.2	32.5
	59-60	41,018	23.95	0.94	19.43	29.43	17.8	19.4	20.3	21.9	23.6	<b>25.7</b>	27.9	29.4	32.9
	61-62	33,313	24.14	0.94	19.56	29.64	17.8	19.6	20.5	22.1	23.8	<b>25.9</b>	28.1	29.6	33.3
63-64	31,253	24.31	0.94	19.72	29.74	17.8	19.7	20.6	22.2	24.0	<b>26.1</b>	28.3	29.7	33.3	
65-66	28,299	24.44	0.96	19.74	29.90	17.9	19.7	20.7	22.3	24.2	<b>26.2</b>	28.4	29.9	33.3	
67-68	24,972	24.47	0.96	19.81	29.94	17.9	19.8	20.8	22.4	24.2	<b>26.3</b>	28.4	29.9	32.9	
69-70	17,171	24.56	0.96	19.74	29.97	17.9	19.7	20.8	22.4	24.3	<b>26.5</b>	28.6	30.0	33.2	
71-72	17,082	24.60	0.98	19.81	30.08	17.8	19.8	20.8	22.5	24.3	<b>26.5</b>	28.6	30.1	33.3	
73-74	16,771	24.59	0.98	19.70	30.02	17.7	19.7	20.8	22.5	24.4	<b>26.5</b>	28.6	30.0	32.9	
75	35,061	24.20	0.98	18.90	29.78	16.7	18.9	20.1	22.0	24.1	<b>26.3</b>	28.4	29.8	32.7	

Body Mass Index (kg/m<sup>2</sup>, uncertainty: k = 2, Confidence Interval [CI]: 95%).