

Supplementary Table 1. UttMACr by major KSCO

KSCO (Korean Standard Classification of Occupations, 7th, 2018)	Homemaker/ unemployed	Managers	Professionals and related workers	Clerical support workers	Service workers	Sales workers	Skilled agricultural, forestry and fishery workers	Craft and related trades workers	Plant and machine operators and assemblers	Elementary occupations	Total
No.	3,937	208	1,259	922	747	558	919	709	735	793	11,059
AM (SD)	105.2 (208.2)	107.9 (112.1)	104.4 (155.9)	105.9 (136.1)	104.8 (143.1)	112.7 (140.3)	90.2 (114.1)	107.6 (118.7)	104.5 (120.2)	112.5 (145.7)	104.9 (167.0)
GM (GSD)	67.6 (2.36)	74.5 (2.34)	64.5 (2.50)	69.2 (2.41)	68.0 (2.37)	75.0 (2.36)	61.6 (2.26)	74.7 (2.28)	70.4 (2.36)	73.5 (2.41)	68.4 (2.37)
Survey cycle											
3rd	102.9 (32.0)	137.1 (28.8)	108.7 (26.5)	103.7 (25.9)	111.3 (24.0)	114.2 (30.3)	81.3 (32.9)	110.7 (31.6)	109.9 (28.6)	122.1 (33.8)	105.2 (30.1)
4th	64.9 (33.5)	66.2 (39.4)	59.6 (33.9)	70.1 (38.9)	64.7 (35.1)	62.5 (38.5)	66.8 (30.1)	65.1 (35.0)	63.4 (34.6)	66.1 (31.8)	64.7 (34.2)
5th	47.6 (34.5)	49.6 (31.7)	48.7 (39.6)	50.7 (35.1)	53.1 (41.0)	62.4 (31.2)	45.0 (37.0)	59.4 (33.4)	54.9 (36.8)	49.2 (34.4)	50.0 (35.6)
Sex											
Male	60.6 (30.0)	75.7 (88.9)	62.6 (51.5)	67.4 (52.4)	61.6 (21.8)	74.1 (43.2)	59.3 (59.7)	75.5 (82.1)	69.2 (88.8)	70.8 (45.9)	65.8 (46.4)
Female	70.8 (70.0)	65.8 (11.1)	66.6 (48.5)	71.3 (47.6)	69.9 (78.2)	75.6 (56.8)	65.1 (40.3)	70.7 (17.9)	80.8 (11.2)	75.8 (54.1)	70.6 (53.6)
Age (years)											
19–29	55.3 (10.7)	68.6 (1.0)	57.5 (12.6)	65.2 (11.7)	63.1 (8.8)	56.4 (5.6)	89.1 (0.5)	70.4 (6.5)	74.5 (3.5)	60.1 (2.8)	58.8 (8.3)
30–39	73.2 (10.6)	93.3 (6.7)	64.3 (28.0)	68.2 (26.6)	76.3 (10.3)	87.0 (17.0)	85.9 (1.8)	87.0 (13.4)	88.0 (12.7)	84.4 (6.1)	73.3 (13.4)
40–49	70.2 (11.1)	77.1 (30.8)	67.8 (30.3)	73.6 (32.1)	78.2 (16.1)	83.2 (21.3)	69.8 (5.3)	85.8 (22.1)	79.2 (21.3)	89.4 (10.7)	74.4 (17.1)
50–59	72.5 (16.1)	73.9 (34.6)	65.0 (18.5)	70.1 (22.2)	66.5 (32.1)	75.6 (32.4)	70.3 (19.5)	79.1 (30.2)	80.9 (30.1)	89.8 (25.5)	73.6 (21.9)
60–69	67.8 (31.3)	67.0 (22.1)	67.1 (8.9)	60.4 (6.3)	63.8 (28.1)	66.0 (19.4)	58.1 (45.5)	58.3 (24.8)	52.8 (27.0)	64.9 (35.7)	63.8 (26.5)
≥70	66.4 (20.2)	76.5 (4.8)	50.3 (1.7)	52.8 (1.1)	63.4 (4.6)	59.1 (4.3)	58.5 (27.3)	66.3 (3.0)	48.5 (5.4)	62.6 (19.3)	63.4 (12.8)

The total (n = 11,059) comprises all participants with both occupation and ttMACr available. This exceeds the analytic sample of the regression models (n = 10,786), which additionally required complete data on all model covariates; the 273-participant difference reflects missing values on those covariates.

UttMACr, creatinine-adjusted urinary trans,trans-muconic acid (µg/g Cr); KSCO: the Korean Standard Classification of Occupations; AM: arithmetic mean; SD: standard deviation; GM: geometric mean; GSD: geometric standard deviation.