

## Supplemental Material

**Supplemental Table 1.** Baseline characteristics of 1910 adults with chronic kidney disease based on estimated glomerular filtration rate (eGFR) stage.

	All	GFR stage (ml/min/1.73m <sup>2</sup> )				
		≥ 90 n=308	60-89 n=365	30-59 n=711	15-29 n=411	< 15 n=115
Age (year) <sup>a</sup>	53 ± 12	44 ± 11	51 ± 12	56 ± 11	57 ± 11	57 ± 11
Sex (male %)	62	49	67	66	62	55
eGFR (ml/min/1.73m <sup>2</sup> ) <sup>a</sup>	53 ± 31	108 ± 11	73 ± 9	44 ± 9	23 ± 4	12 ± 2
24-hour urine protein (mg/day) <sup>a</sup>	546 [166-1580]	222 [68-761]	306 [110-884]	522 [178-1567]	1077 [430-2552]	1788 [662-3800]
Alcohol drinking (%) <sup>a</sup>	36	49	47	35	26	15
Active smoking (%) <sup>a</sup>	16	20	16	16	17	12
Health-enhancing physical activity (%)	42	41	48	44	35	39
Body mass index (kg/m <sup>2</sup> )	24.5 ± 3.4	24.4 ± 4.1	24.4 ± 3.0	24.7 ± 3.2	24.4 ± 3.4	24.2 ± 3.3
Hemoglobin (g/dl) <sup>a</sup>	12.8 ± 2.0	14.0 ± 1.5	14.0 ± 1.8	12.9 ± 1.9	11.5 ± 1.6	10.5 ± 1.2
Serum albumin (g/dl) <sup>a</sup>	4.2 ± 0.4	4.3 ± 0.4	4.3 ± 0.4	4.2 ± 0.4	4.0 ± 0.5	4.0 ± 0.5
Unmarried (%)	16	23	14	13	16	25
Low income (%) <sup>a</sup>	23	14	17	22	35	33
Low education (%) <sup>a</sup>	23	11	17	24	32	33
Diabetes (%) <sup>a</sup>	33	15	18	36	48	45
Hypertension (%) <sup>a</sup>	96	85	97	98	99	97
Cardiovascular disease (%) <sup>a</sup>	11	5	7	12	17	12
Physical component summary <sup>a</sup>	73 ± 18	79 ± 14	77 ± 15	73 ± 19	66 ± 20	63 ± 21
Mental component summary <sup>a</sup>	70 ± 18	74 ± 15	73 ± 16	70 ± 19	65 ± 20	62 ± 21
Low physical component summary (%) <sup>a</sup>	16	7	9	15	25	34
Low mental component summary (%) <sup>a</sup>	16	8	10	15	23	30
Sleep duration (hour) <sup>a</sup>	6.9 ± 1.3	6.8 ± 1.2	6.8 ± 1.1	6.9 ± 1.3	7.2 ± 1.5	7.1 ± 1.4
Short sleeper (%)	11	10	10	12	10	9
Long sleeper (%) <sup>a</sup>	7	3	4	6	14	10

Data are expressed as mean ± SD or median [interquartile range].

<sup>a</sup> P for trend <0.001

*Supplemental material is neither peer-reviewed nor thoroughly edited by CJASN. The authors alone are responsible for the accuracy and presentation of the material.*

**Supplemental Figure 1.** Flowchart of 1910 study participants from the KoreaN cohort study for Outcome in patients With Chronic Kidney Disease (KNOW-CKD).

