

**Table S1 Annual variations in parameters in spring, with year one as a reference**

<b>Parameters</b>	<b>Year</b>	<b>B</b>	<b>95% CI</b>	<b>Wald <math>\chi^2</math></b>	<b>P</b>
Systolic BP	Year three	0.79	-7.90-9.48	0.03	>0.05
	Year two	-0.04	-5.48-5.41	0.00	>0.05
Hemoglobin	Year three	-0.15	-0.46-0.16	0.93	>0.05
	Year two	-0.07	-0.37-0.23	0.22	>0.05
BUN	Year three	1.66	-2.96-6.28	0.50	>0.05
	Year two	-0.60	-4.84-3.65	0.08	>0.05
Sodium	Year three	1.28	0.70-1.86	18.74	<0.001
	Year two	0.25	-0.33-0.82	0.71	>0.05
Potassium	Year three	0.11	-0.11-0.33	0.98	>0.05
	Year two	0.14	-0.06-0.33	1.92	>0.05
Phosphate	Year three	0.03	-0.29-0.35	0.03	>0.05
	Year two	0.18	-0.14-0.49	1.18	>0.05
Albumin	Year three	0.03	-0.01-0.07	2.56	>0.05
	Year two	0.02	-0.01-0.06	1.51	>0.05
CRP	Year three	0.11	-0.06-0.28	1.60	>0.05
	Year two	0.07	-0.11-0.26	0.59	>0.05
nPCR	Year three	-0.04	-0.08-0.00	3.17	>0.05
	Year two	-0.07	-0.14-0.01	2.91	>0.05
IDWG	Year three	-0.27	-0.61-0.07	2.38	>0.05
	Year two	-0.11	-0.43-0.21	0.45	>0.05

BP, blood pressure; BUN, blood urea nitrogen; BP, blood pressure; CRP, C-reactive protein; IDWG, interdialytic weight gain; nPCR, normalized protein catabolic rate

**Table S2 Annual variations in parameters in fall, with year one as a reference**

<b>Parameters</b>	<b>Year</b>	<b>B</b>	<b>95% CI</b>	<b>Wald <math>\chi^2</math></b>	<b>P</b>
Systolic BP	Year three	-2.82	-10.01-4.37	0.59	>0.05
	Year two	-2.92	-8.61-2.77	1.01	>0.05
Hemoglobin	Year three	-0.05	-0.36-0.27	0.08	>0.05
	Year two	-0.17	-0.43-0.09	1.65	>0.05
BUN	Year three	1.96	-3.63-7.55	0.47	>0.05
	Year two	2.53	-1.03-6.09	1.95	>0.05
Sodium	Year three	1.53	0.83-2.24	18.13	<0.001
	Year two	1.32	0.77-1.87	22.44	<0.001
Potassium	Year three	0.04	-0.13-0.21	0.23	>0.05
	Year two	0.09	-0.04-0.22	1.78	>0.05
Phosphate	Year three	-0.17	-0.53-0.20	0.80	>0.05
	Year two	0.08	-0.19-0.35	0.30	>0.05
Albumin	Year three	-0.01	-0.08-0.05	0.18	>0.05
	Year two	-0.02	-0.05-0.01	2.39	>0.05
CRP	Year three	0.01	-0.25-0.28	0.01	>0.05
	Year two	0.03	-0.18-0.25	0.09	>0.05
nPCR	Year three	0.00	-0.05- 0.06	0.02	>0.05
	Year two	0.03	-0.04-0.09	0.74	>0.05
IDWG	Year three	-1.02	-1.47- -0.57	19.67	<0.001
	Year two	0.00	-0.43-0.43	0.00	>0.05

BP, blood pressure; BUN, blood urea nitrogen; BP, blood pressure; CRP, C-reactive protein; IDWG, interdialytic weight gain; nPCR, normalized protein catabolic rate

**Table S3 Annual variations in parameters in winter, with year one as a reference**

<b>Parameters</b>	<b>Year</b>	<b>B</b>	<b>95% CI</b>	<b>Wald <math>\chi^2</math></b>	<b><i>p</i></b>
Systolic BP	Year three	0.25	-11.51-12.00	0.00	>0.05
	Year two	1.17	-5.45-7.79	0.12	>0.05
Hemoglobin	Year three	0.10	-0.24-0.44	0.32	>0.05
	Year two	-0.07	-0.39-0.26	0.16	>0.05
BUN	Year three	0.09	-4.38-4.56	0.00	>0.05
	Year two	-0.70	-4.58-3.18	0.13	>0.05
Sodium	Year three	2.88	1.96-3.80	37.68	<0.001
	Year two	2.83	2.25-3.40	92.97	<0.001
Potassium	Year three	-0.16	-0.34-0.01	3.46	>0.05
	Year two	0.01	-0.20-0.21	0.00	>0.05
Phosphate	Year three	-0.01	-0.35-0.34	0.00	>0.05
	Year two	0.01	-0.34-0.36	0.00	>0.05
Albumin	Year three	0.04	-0.03-0.10	1.09	>0.05
	Year two	0.01	-0.03-0.05	0.13	>0.05
CRP	Year three	0.08	-0.11-0.27	0.68	>0.05
	Year two	0.09	-0.08-0.27	1.18	>0.05
nPCR	Year three	0.02	-0.05-0.09	0.34	>0.05
	Year two	0.05	-0.01-0.10	2.44	>0.05
IDWG	Year three	-1.00	-1.55- -0.46	13.03	<0.001
	Year two	-0.09	-0.51-0.33	0.18	>0.05

BP, blood pressure; BUN, blood urea nitrogen; BP, blood pressure; CRP, C-reactive protein; IDWG, interdialytic weight gain; nPCR, normalized protein catabolic rate

**Table S4 Annual variations in body composition in spring, with year one as a reference**

<b>Parameters</b>	<b>Year</b>	<b>B</b>	<b>95% CI</b>	<b>Wald <math>\chi^2</math></b>	<b><i>p</i></b>
Post-BMI	Year three	-0.20	-0.43-0.03	2.82	>0.05
	Year two	-0.03	-0.18-0.12	0.16	>0.05
Model 1	Year three	0.06	-0.41-0.53	0.07	>0.05
	Year two	0.10	-0.14-0.34	0.65	>0.05
Model 2	Year three	0.04	-0.42-0.51	0.03	>0.05
	Year two	0.09	-0.17-0.34	0.44	>0.05
Relative OH	Year three	1.91	0.63-3.19	8.58	0.003
	Year two	-0.77	-1.74-0.20	2.42	>0.05
Model 1	Year three	1.79	0.40-3.19	6.33	0.012
	Year two	-0.82	-1.83-0.18	2.59	>0.05
Model 2	Year three	1.80	0.21-3.39	4.94	0.026
	Year two	-0.80	-1.90-0.30	2.01	>0.05
LTI	Year three	0.08	-0.22-0.39	0.29	>0.05
	Year two	-0.15	-0.41-0.11	1.22	>0.05
Model 1	Year three	0.22	-0.19-0.63	1.10	>0.05
	Year two	-0.08	-0.37-0.21	0.28	>0.05
Model 2	Year three	0.16	-0.27-0.59	0.53	>0.05
	Year two	-0.12	-0.43-0.19	0.58	>0.05
FTI	Year three	-0.30	-0.60-0.01	3.71	>0.05
	Year two	0.12	-0.16-0.40	0.68	>0.05
Model 1	Year three	-0.15	-0.68-0.37	0.32	>0.05
	Year two	0.19	-0.13-0.52	1.34	>0.05
Model 2	Year three	-0.14	-0.70-0.43	0.22	>0.05
	Year two	0.20	-0.14-0.54	1.31	>0.05

BMI, body mass index; FTI, fat tissue index; LTI, lean tissue index; OH, overhydration

**Table S5 Annual variations in body composition in fall, with year one as a reference**

<b>Parameters</b>	<b>Year</b>	<b>B</b>	<b>95% CI</b>	<b>Wald <math>\chi^2</math></b>	<b>P</b>
Post-BMI	Year three	-0.38	-0.92-0.15	1.95	>0.05
	Year two	0.07	-0.37-0.51	0.10	>0.05
Model 1	Year three	-0.05	-0.73-0.63	0.02	>0.05
	Year two	0.24	-0.26-0.74	0.86	>0.05
Model 2	Year three	-0.14	-0.80-0.53	0.16	>0.05
	Year two	0.24	-0.27-0.75	0.86	>0.05
Relative OH	Year three	1.93	0.32-3.54	5.54	0.019
	Year two	0.81	-0.48-2.10	1.50	>0.05
Model 1	Year three	1.81	0.12-3.50	4.40	0.036
	Year two	0.75	-0.65-2.15	1.09	>0.05
Model 2	Year three	2.00	0.38-3.62	5.83	0.016
	Year two	0.66	-0.68-2.00	0.93	>0.05
LTI	Year three	-0.13	-0.42-0.16	0.79	>0.05
	Year two	-0.14	-0.35-0.08	1.52	>0.05
Model 1	Year three	-0.02	-0.38-0.34	0.01	>0.05
	Year two	-0.08	-0.32-0.16	0.44	>0.05
Model 2	Year three	-0.03	-0.36-0.31	0.02	>0.05
	Year two	-0.07	-0.29-0.16	0.32	>0.05
FTI	Year three	-0.29	-0.90-0.32	0.86	>0.05
	Year two	0.18	-0.35-0.71	0.44	>0.05
Model 1	Year three	-0.04	-0.80-0.72	0.01	>0.05
	Year two	0.31	-0.29-0.90	0.99	>0.05
Model 2	Year three	-0.12	-0.87-0.64	0.10	>0.05
	Year two	0.29	-0.32-0.90	0.89	>0.05

BMI, body mass index; FTI, fat tissue index; LTI, lean tissue index; OH, overhydration

**Table S6 Annual variations in body composition in winter, with year one as a reference**

<b>Parameters</b>	<b>Year</b>	<b>B</b>	<b>95% CI</b>	<b>Wald <math>\chi^2</math></b>	<b><i>p</i></b>
Post-BMI	Year three	-0.46	-0.87- -0.04	4.55	0.033
	Year two	-0.29	-0.62-0.05	2.86	>0.05
Model 1	Year three	-0.18	-0.72-0.36	0.42	>0.05
	Year two	-0.15	-0.54-0.24	0.55	>0.05
Model 2	Year three	-0.24	-0.81-0.32	0.71	>0.05
	Year two	-0.16	-0.55-0.24	0.61	>0.05
Relative OH	Year three	1.03	-0.56- 2.62	1.61	>0.05
	Year two	0.70	-0.68-2.08	0.98	>0.05
Model 1	Year three	1.04	-0.53-2.62	1.69	>0.05
	Year two	0.70	-0.66-2.06	1.02	>0.05
Model 2	Year three	1.26	-0.34-2.87	2.37	>0.05
	Year two	0.75	-0.62-2.11	1.16	>0.05
LTI	Year three	-0.30	-0.62-0.02	3.48	>0.05
	Year two	-0.27	-0.54-0.01	3.64	>0.05
Model 1	Year three	-0.15	-0.56-0.25	0.55	>0.05
	Year two	-0.21	-0.50-0.09	1.87	>0.05
Model 2	Year three	-0.22	-0.60-0.15	1.41	>0.05
	Year two	-0.23	-0.52-0.06	2.40	>0.05
FTI	Year three	-0.16	-0.67-0.34	0.41	>0.05
	Year two	0.00	-0.42-0.42	0.00	>0.05
Model 1	Year three	0.01	-0.65-0.67	0.00	>0.05
	Year two	0.09	-0.38-0.55	0.13	>0.05
Model 2	Year three	-0.02	-0.68 -0.65	0.00	>0.05
	Year two	0.09	-0.38-0.57	0.14	>0.05

BMI, body mass index; FTI, fat tissue index; LTI, lean tissue index; OH, overhydration