

Multimedia Appendix 4. Adjusted association between digital device ownership and cognitive function by age

<i>Panel A. Independent Effect of Desktop</i>	Coefficients (95% CI)	<i>P</i> value	n
<b>Baseline difference</b>			
Aged 45 and 64	0.12 (0.08, 0.15)	<.001	25925
Aged 65 and above	0.17 (0.08,0.25)	<.001	8031
<b>Longitudinal protective association in 2 years</b>			
Aged 45 and 64	0.02 (-0.02, 0.06)	.31	25925
Aged 65 and above	0.00 (-0.10, 0.09)	.91	8031
<b>Longitudinal protective association in 4 years</b>			
Aged 45 and 64	0.05 (0.01, 0.08)	.03	25925
Aged 65 and above	-0.01 (-0.12, 0.08)	.77	8031
<i>Panel B. Independent Effect of Cellphone</i>	Coefficients (95% CI)	<i>P</i> value	n
<b>Baseline difference</b>			
Aged 45 and 64	0.11 (0.07, 0.15)	<.001	25925
Aged 65 and above	0.10 (0.06, 0.16)	<.001	8031
<b>Longitudinal protective association in 2 years</b>			
Aged 45 and 64	-0.02 (-0.06, 0.03)	.42	25925
Aged 65 and above	0.01 (-0.04, 0.07)	.62	8031
<b>Longitudinal protective association in 4 years</b>			
Aged 45 and 64	0.02 (-0.03, 0.06)	.43	25925
Aged 65 and above	0.02 (-0.04, 0.08)	.60	8031

Notes: adjusted for demographic (sex, education, marriage, rural or urban residence) and health behavior (smoke, drink) as well as health condition risk factors (self-reported hypertension, diabetes, and stroke).