

On-line Table 1: Correlation coefficients for brain volume and BPF by age

	Brain Volume	BPF
Men		
Linear regression	$R = 0.413$ $R^2 = 0.171$ CV = 11.06%	$R = 0.712$ $R^2 = 0.5074$ CV = 3.085%
Decade cohort	$R = 0.914$ $R^2 = 0.836$	$R = 0.953$ $R^2 = 0.908$
Women		
Linear regression	$R = 0.425$ $R^2 = 0.181$ CV = 10.20%	$R = 0.786$ $R^2 = 0.618$ CV = 4.632%
Decade cohort	$R = 0.92$ $R^2 = 0.847$	$R = 0.975$ $R^2 = 0.950$

Note:—CV indicates coefficient of variation.

On-line Table 2: BPF as function of age—differences between decade age groups (male)

Age (yr)	30–39 (11)	40–49 (14)	50–59 (23)	60–69 (20)	70–79 (21)	80–89 (19)	90–99 (6)
20–29 (18)							
Total volume	NS	NS	NS	NS	NS	.0008	.0195
BPF	NS	NS	NS	.01	<.0001	<.0001	<.0001
30–39 (11)							
Total volume		NS	NS	NS	NS	NS	NS
BPF		NS	NS	NS	.04	<.0001	<.0001
40–49 (14)							
Total volume			NS	NS	NS	.0396	NS
BPF			NS	NS	.06	<.0001	<.0001
50–59 (23)							
Total volume				NS	NS	.0396	NS
BPF				NS	NS	<.0001	<.0001
60–69 (20)							
Total volume					NS	NS	NS
BPF					NS	<.0001	<.0001
70–79 (21)							
Total volume						NS	NS
BPF						.005	.0004
80–89 (19)							
Total volume							NS
BPF							NS

Note:—NS indicates not significant.

On-line Table 3: Brain density and brain mass—differences between decade age groups (male)

Age (yr)	30–39 (11)	40–49 (14)	50–59 (23)	60–69 (20)	70–79 (21)	80–89 (19)	90–99 (6)
20–29							
HU attenuation	NS	NS	NS	.001	.0005	NS	NS
Mass	NS	NS	.035	.004	.0001	<.0001	<.002
30–39							
HU attenuation		NS	NS	NS	NS	NS	NS
Mass		NS	NS	NS	NS	NS	NS
40–49							
HU attenuation			NS	NS	NS	NS	NS
Mass			NS	NS	NS	NS	NS
50–59							
HU attenuation				NS	NS	NS	NS
Mass				NS	NS	NS	NS
60–69							
HU attenuation					NS	NS	NS
Mass					NS	NS	NS
70–79							
HU density						NS	NS
Mass						NS	NS
80–89							
HU density							NS
Mass							NS

Note:—HU indicates Hounsfield units.