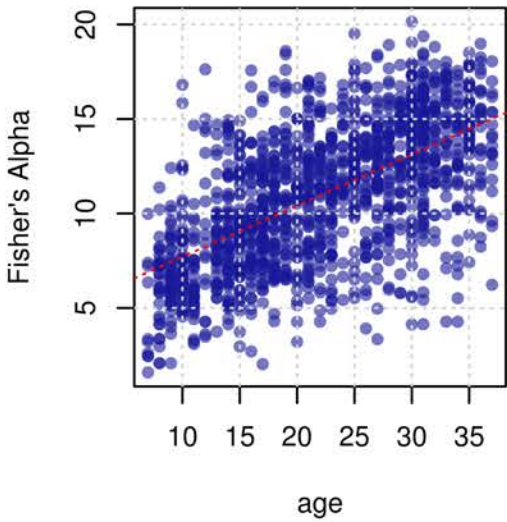


Supplementary Figure 5. Multivariate linear regression analysis for alpha diversity indexes with age, WAZ, HAZ, and WHZ

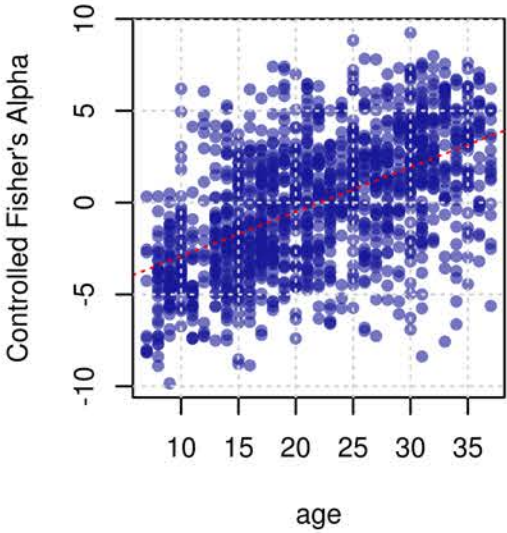
5.a Multivariate linear regression model
Fisher's Alpha ~ age + WAZ + HAZ + WHZ

	Coefficient	P	Signi
age	0.27165521	2.26e-120	**
WAZ	0.04246510	7.89e-01	
HAZ	0.03151150	7.83e-01	
WHZ	0.09633963	4.50e-01	

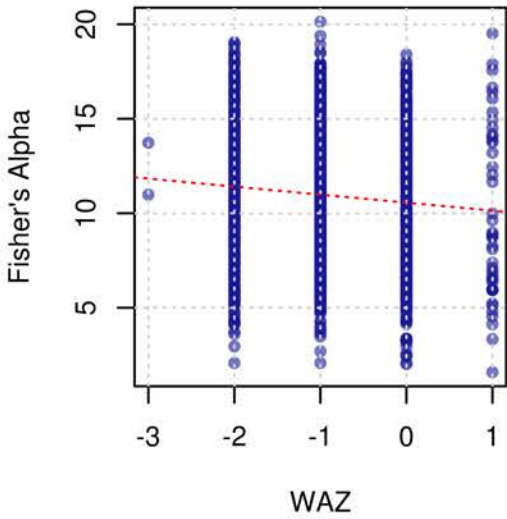
age R=0.59 p=3.1e-135



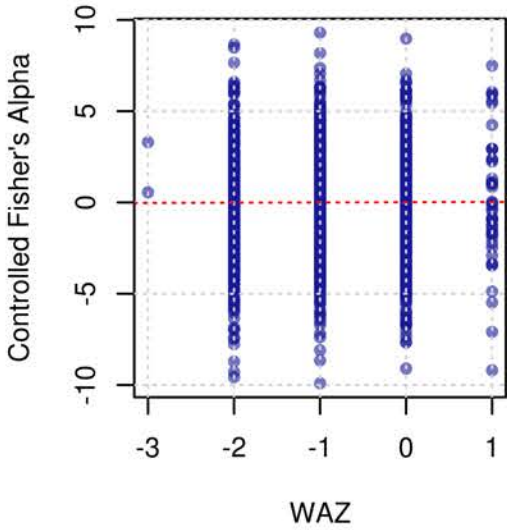
age R=0.55 p=4e-107



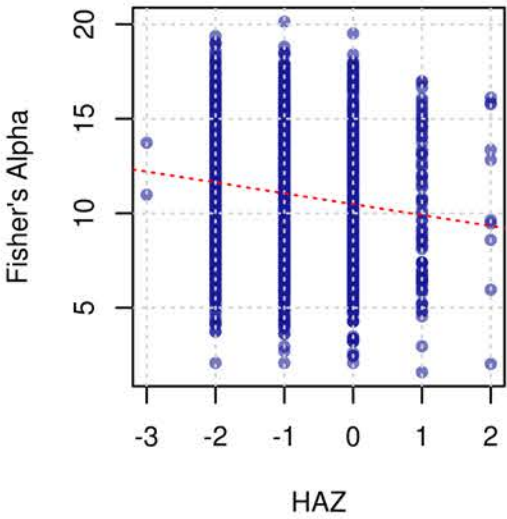
WAZ R=-0.089 p=0.00094



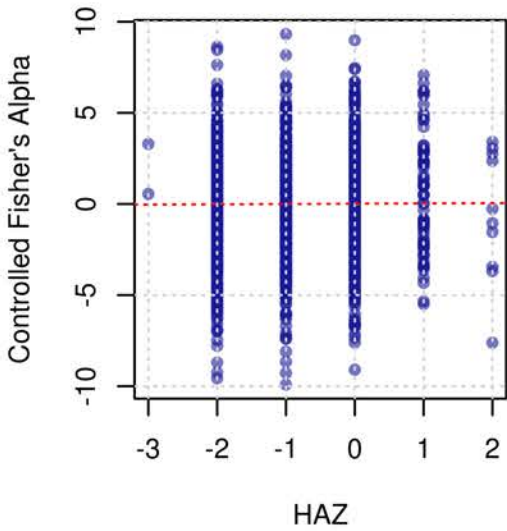
WAZ R=0.0022 p=0.94



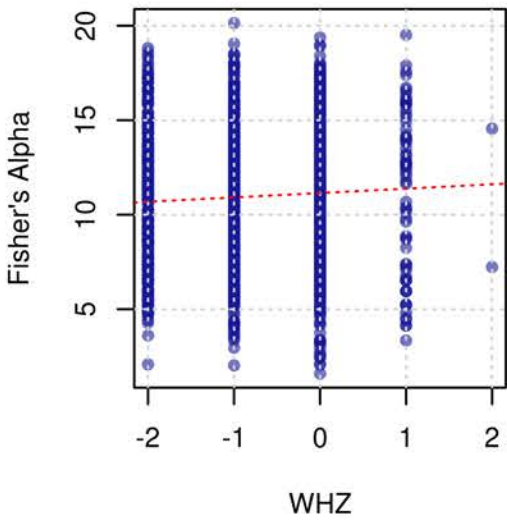
HAZ R=-0.15 p=3.5e-08



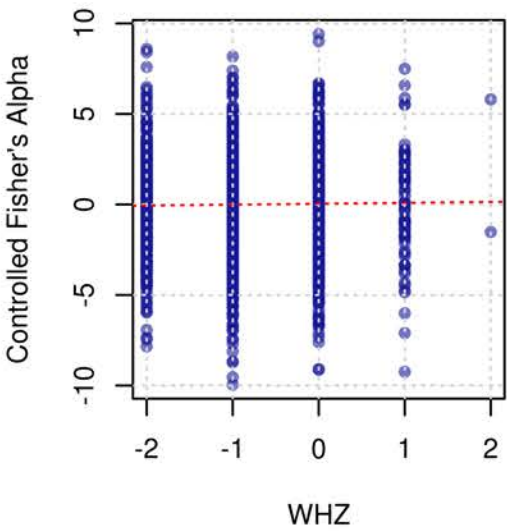
HAZ R=-0.014 p=0.61



WHZ R=0.065 p=0.016



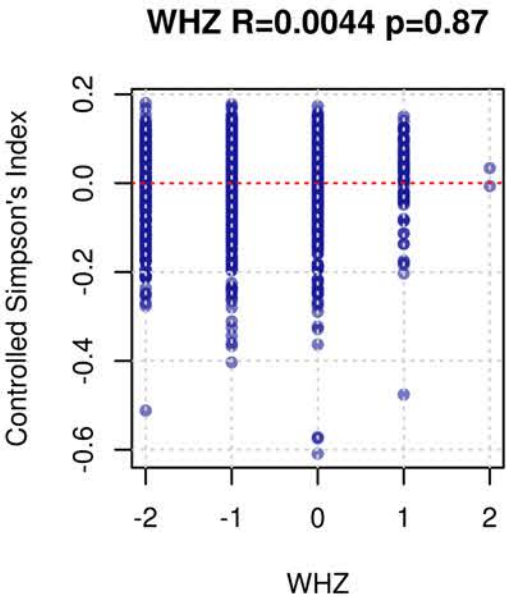
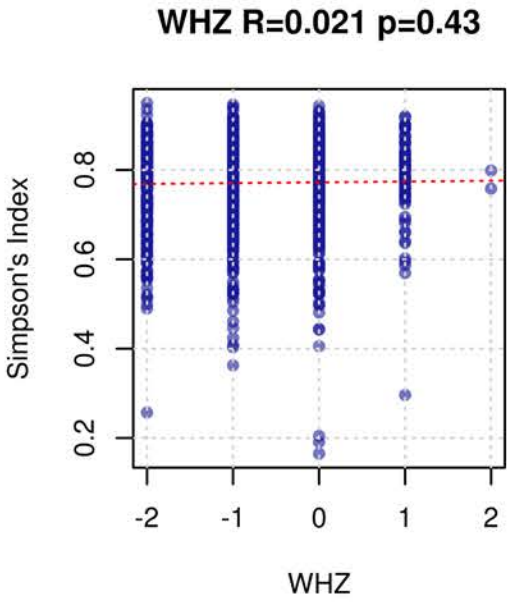
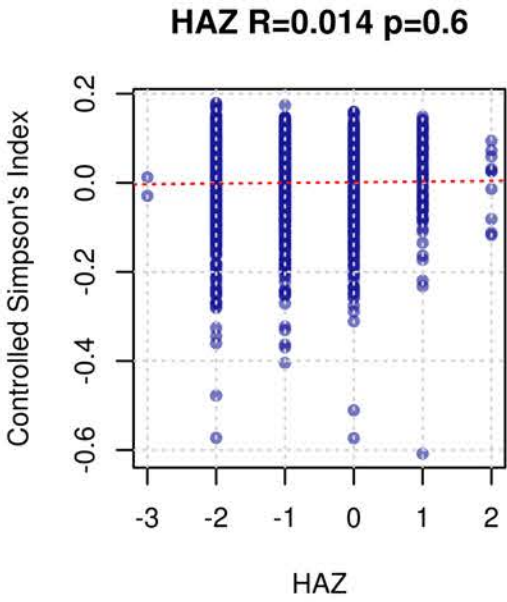
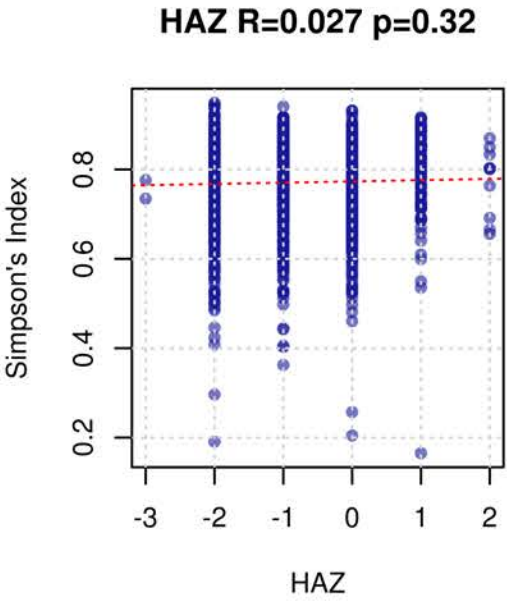
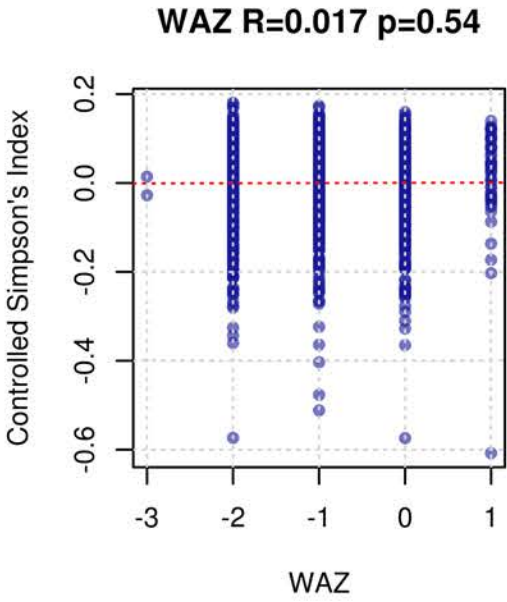
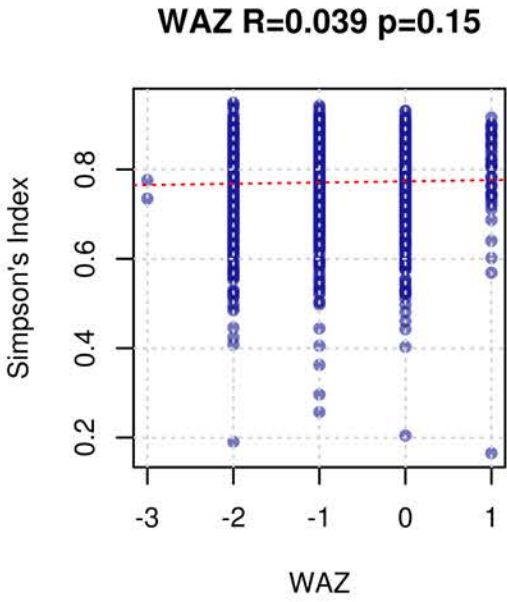
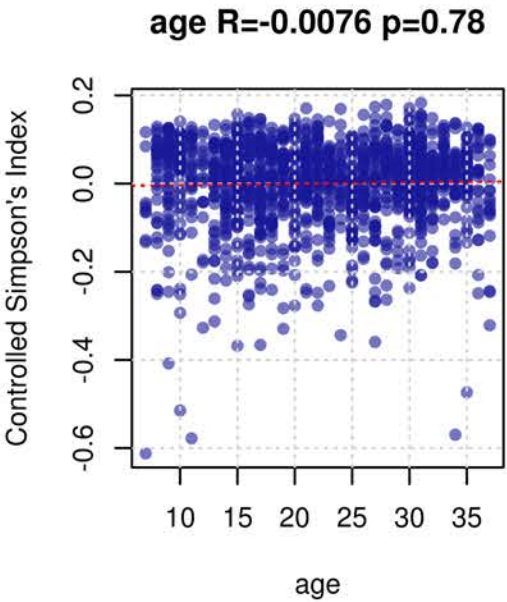
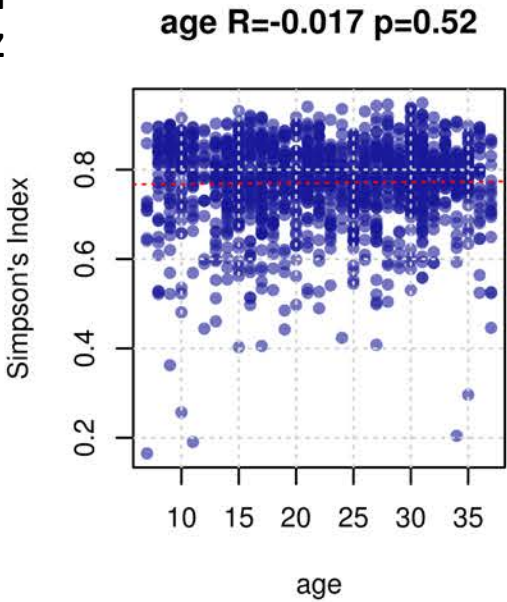
WHZ R=0.02 p=0.45



Supplementary Figure 5. Continued

5.b Multivariate linear regression model
Simpson's ~ age + WAZ + HAZ + WHZ

	Coefficient	P	Signi
age	0.0003491916	0.312	
WAZ	0.0012718561	0.808	
HAZ	0.0029149711	0.439	
WHZ	0.0002541838	0.952	

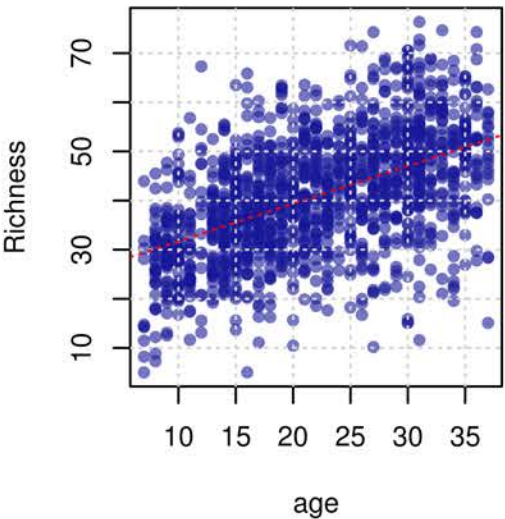


Supplementary Figure 5. Continued

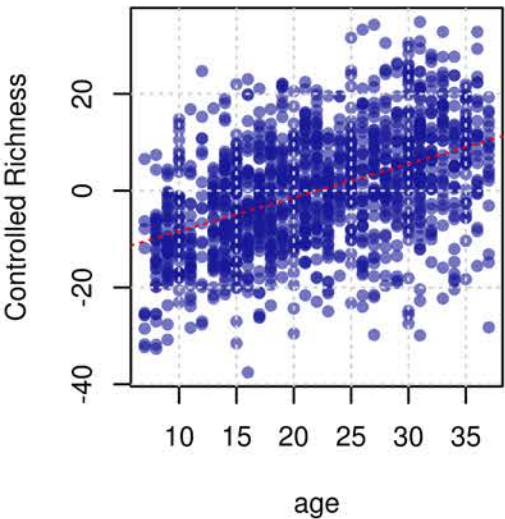
5.c Multivariate linear regression model
Richness ~ age + WAZ + HAZ + WHZ

	Coefficient	P	Sign
age	0.77973357	1.65e-82	**
WAZ	-0.02865546	9.60e-01	
HAZ	0.36471565	3.77e-01	
WHZ	0.22595115	6.22e-01	

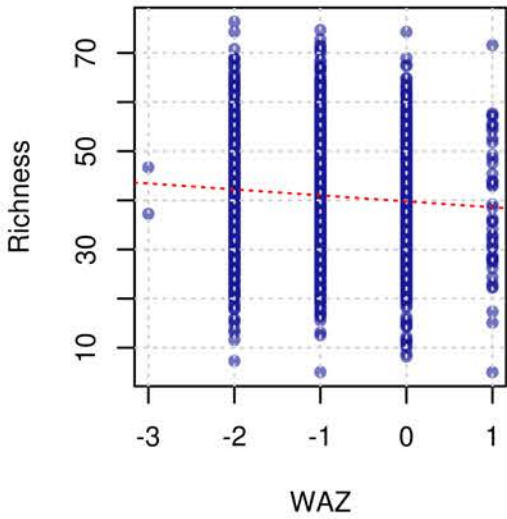
age R=0.51 p=6.8e-94



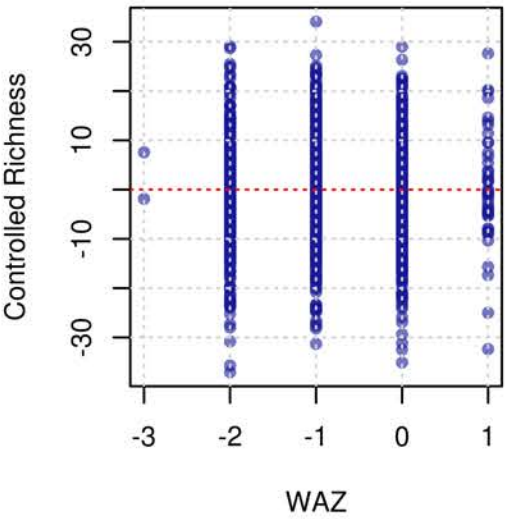
age R=0.47 p=2e-75



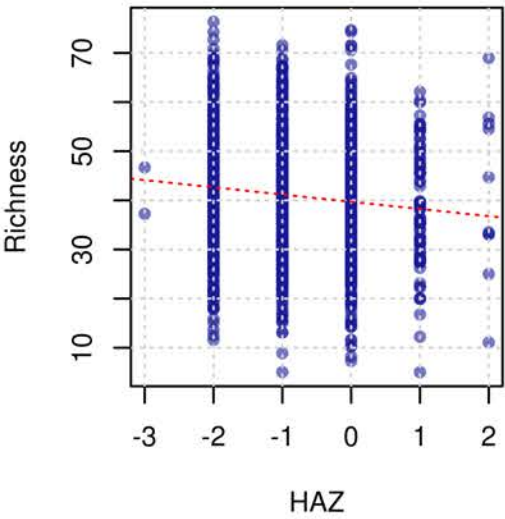
WAZ R=-0.075 p=0.0053



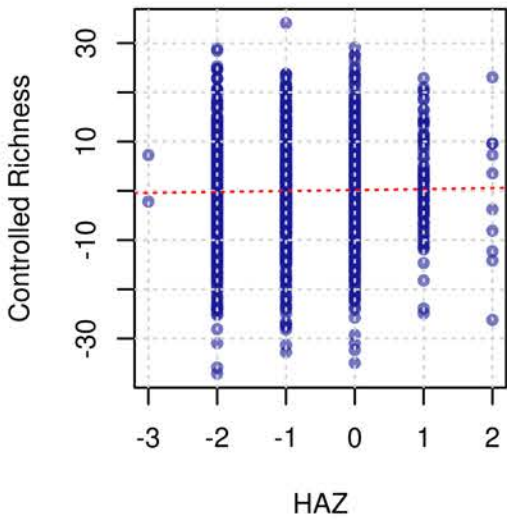
WAZ R=0.00074 p=0.98



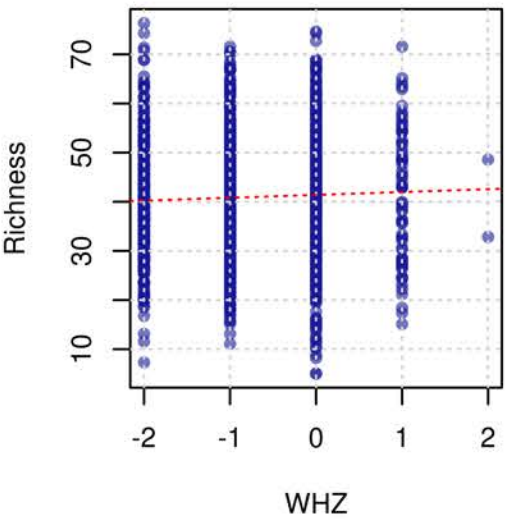
HAZ R=-0.11 p=3e-05



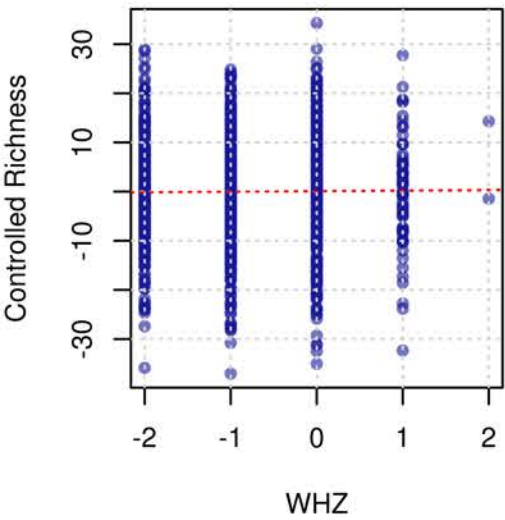
HAZ R=0.0084 p=0.76



WHZ R=0.052 p=0.052



WHZ R=0.016 p=0.56

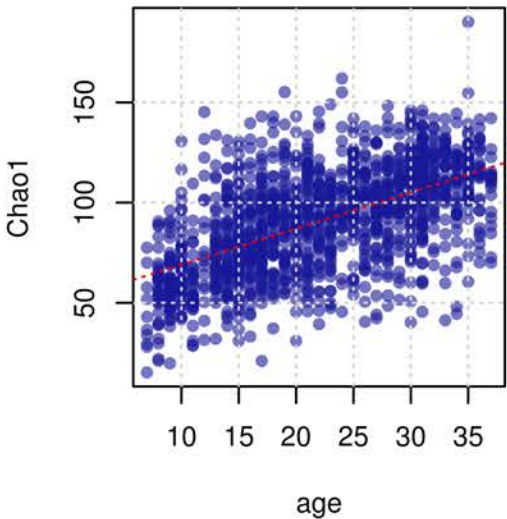


Supplementary Figure 5. Continued

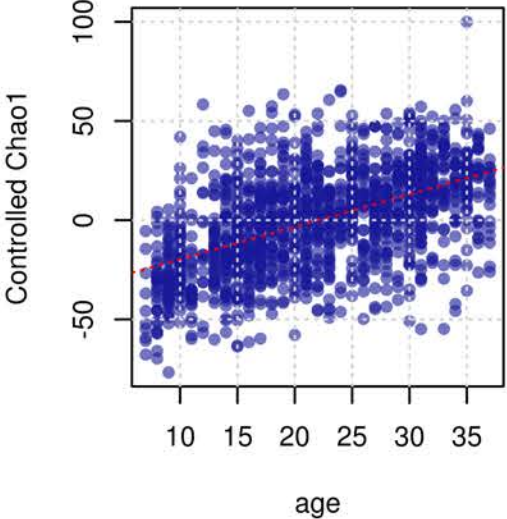
5.d Multivariate linear regression model
Chao1 ~ age + WAZ + HAZ + WHZ

	Coefficient	P	Signi
age	1.8260444	1.88e-104	**
WAZ	0.3934922	7.36e-01	
HAZ	0.7256428	3.88e-01	
WHZ	0.5024521	5.90e-01	

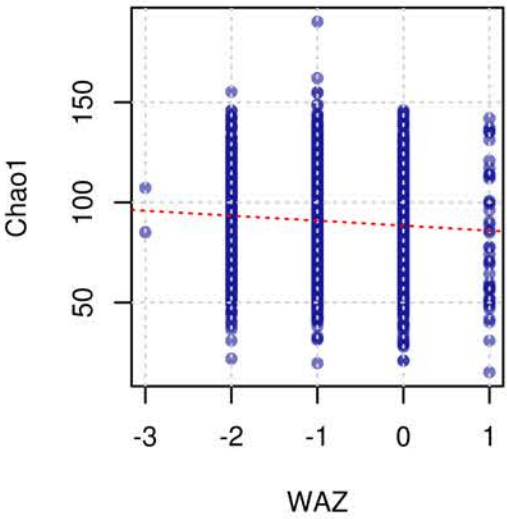
age R=0.56 p=8.2e-118



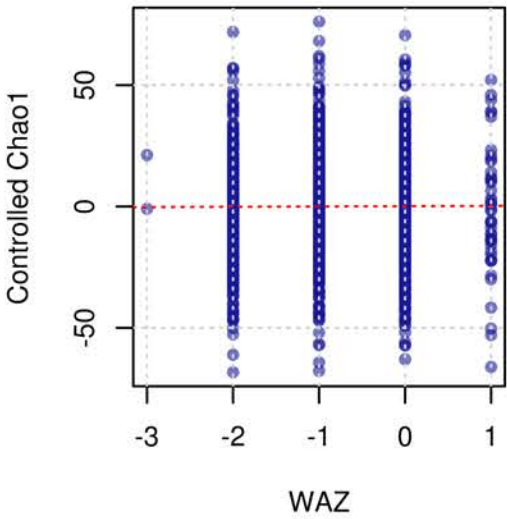
age R=0.52 p=1.1e-94



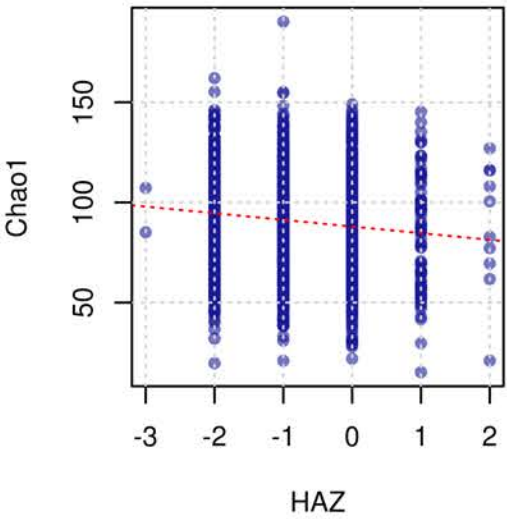
WAZ R=-0.07 p=0.0098



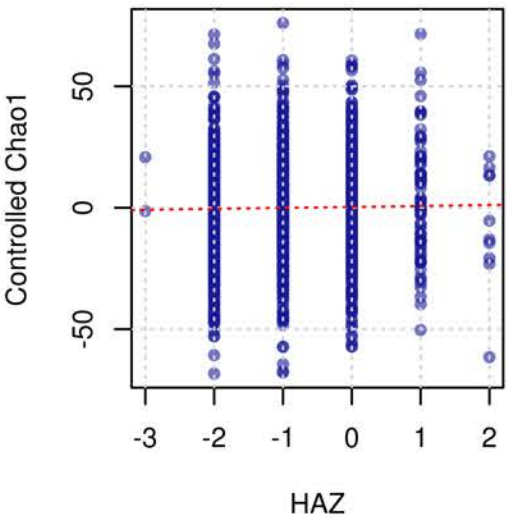
WAZ R=0.011 p=0.67



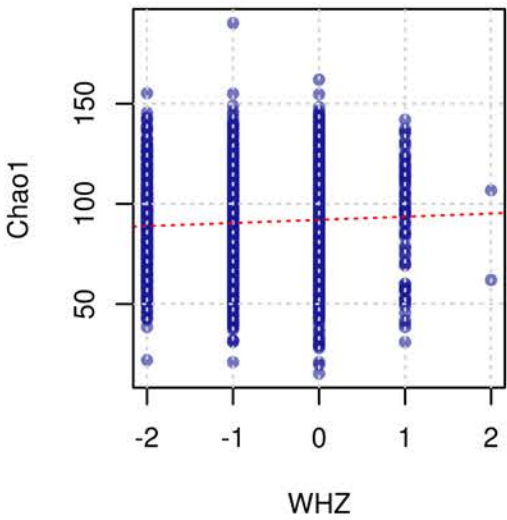
HAZ R=-0.12 p=1.2e-05



HAZ R=0.0097 p=0.72



WHZ R=0.066 p=0.014



WHZ R=0.02 p=0.47

