

***Descriptive Analysis: Homocysteine and Cognitive Function
Dataset Snapshot and Missingness***

<i>N_Observations</i>
900

Descriptive Analysis: Homocysteine and Cognitive Function
Dataset Snapshot and Missingness

The MEANS Procedure

Variable	Label	N	Miss
age	Age (years)	900	0
pkyrs	Pack-years of smoking	811	89
hcy	Plasma homocysteine (umol/L)	900	0
lhcy	Log plasma homocysteine	900	0
folate	Plasma folate (nmol/mL)	888	12
vitb12	Plasma vitamin B12 (pmol/L)	763	137
vitb6	Plasma vitamin B6 (nmol/L)	831	69
mmse	Mini-Mental State Examination (0-30)	895	5
adin7yrs	AD within 7 years (0/1)	663	237

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The FREQ Procedure

Sex (1=Male,0=Female)					
male	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
Female	560	62.22	560	62.22	
Male	340	37.78	900	100.00	
Education category (1-4)					
educg	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
.	15	1.67	15	1.67	
<8 years	34	3.78	49	5.44	
>=8 years, no HS	246	27.33	295	32.78	
HS, no college	327	36.33	622	69.11	
Some college+	278	30.89	900	100.00	
HS degree or higher (1=Yes,0=No)					
hsdeg	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
.	15	1.67	15	1.67	
No	280	31.11	295	32.78	
Yes	605	67.22	900	100.00	
Age group (65-89)					
agegrp	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
65-74	432	48.00	432	48.00	
75-79	271	30.11	703	78.11	
80-84	145	16.11	848	94.22	
85-89	52	5.78	900	100.00	
Exclude due to missing ADIN7YRS (1=Yes,0=No)					
exclude	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
No	663	73.67	663	73.67	
Yes	237	26.33	900	100.00	
Cognitive deficit flag (education-adjusted)					
mmsef	Frequency	Percent	Cumulative Frequency	Cumulative Percent	
.	20	2.22	20	2.22	
No	774	86.00	794	88.22	
Yes	106	11.78	900	100.00	

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The FREQ Procedure

HCY >= 14 umol/L (1=Yes,0=No)				
hcyge14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
No	656	72.89	656	72.89
Yes	244	27.11	900	100.00

Descriptive Analysis: Homocysteine and Cognitive Function**Table 1: Descriptive Summary (Overall)****Continuous Variables****The MEANS Procedure**

Variable	Label	N	Mean	Std Dev	Median	Lower Quartile	Upper Quartile	Minimum	Maximum
age	Age (years)	900	75.76	4.83	75.00	72.00	79.00	68.00	89.00
pkyrs	Pack-years of smoking	811	16.26	22.05	1.45	0.00	30.73	0.00	122.56
hcy	Plasma homocysteine (umol/L)	900	12.58	6.10	11.20	9.10	14.20	3.50	66.90
lhcy	Log plasma homocysteine	900	2.45	0.39	2.42	2.21	2.65	1.25	4.20
folate	Plasma folate (nmol/mL)	888	6.46	7.20	4.30	2.50	7.79	0.00	110.78
vitb12	Plasma vitamin B12 (pmol/L)	763	439.75	223.97	394.29	278.71	571.00	20.00	1000.00
vitb6	Plasma vitamin B6 (nmol/L)	831	80.26	94.97	51.78	30.31	87.46	2.52	500.00
mmse	Mini-Mental State Examination (0-30)	895	27.79	3.27	29.00	27.00	30.00	0.00	30.00

Descriptive Analysis: Homocysteine and Cognitive Function
Table 1: Descriptive Summary (Overall)
Categorical Variables

The FREQ Procedure

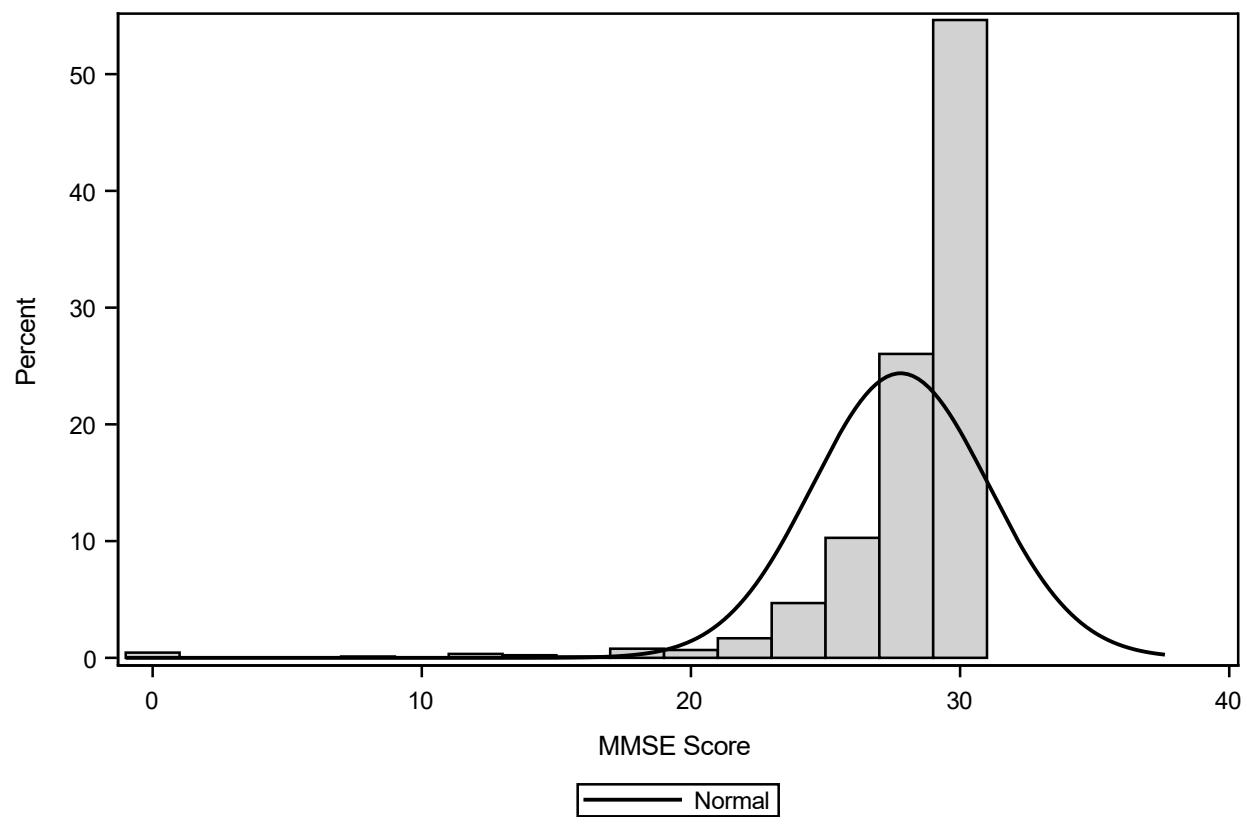
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Descriptive Analysis: Homocysteine and Cognitive Function
Table 1: Descriptive Summary (Overall)
Categorical Variables

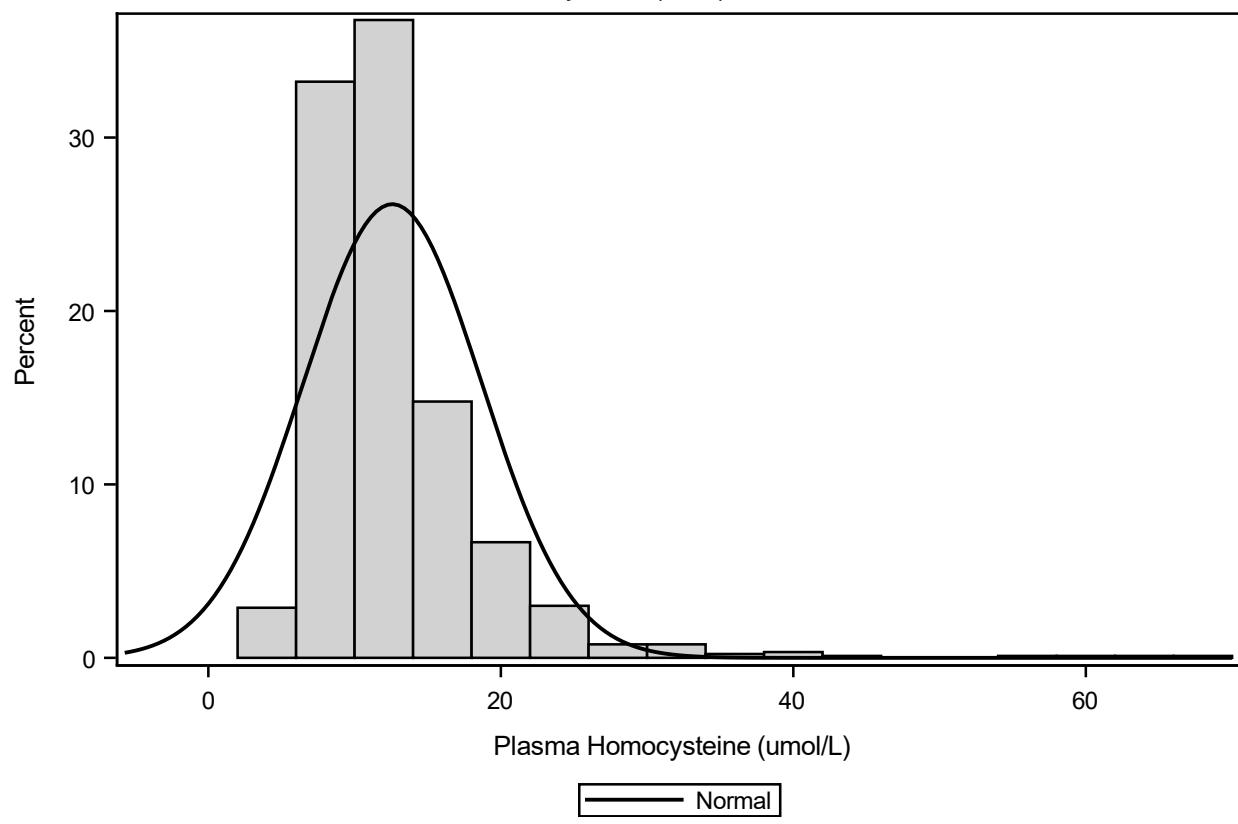
The FREQ Procedure

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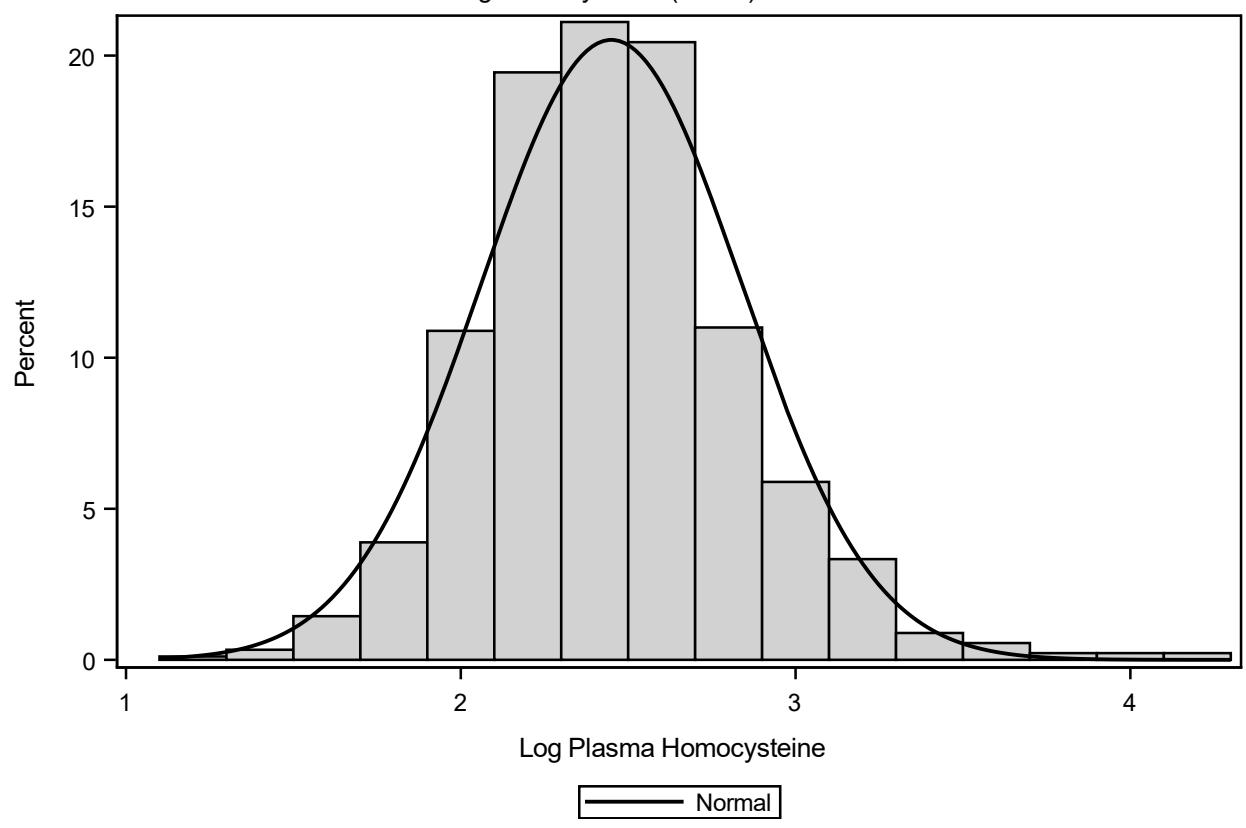
Descriptive Analysis: Homocysteine and Cognitive Function
Distributions
MMSE Distribution



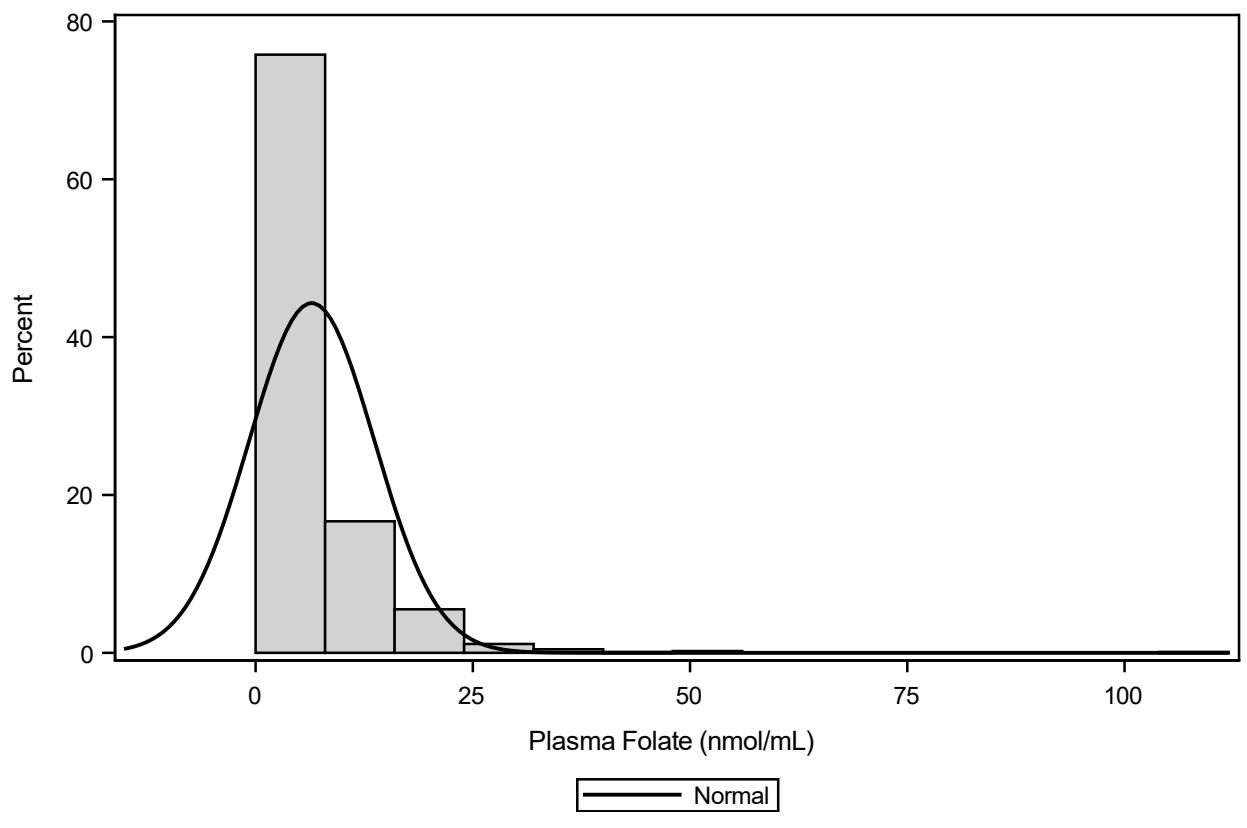
Descriptive Analysis: Homocysteine and Cognitive Function
Distributions
Homocysteine (HCY) Distribution



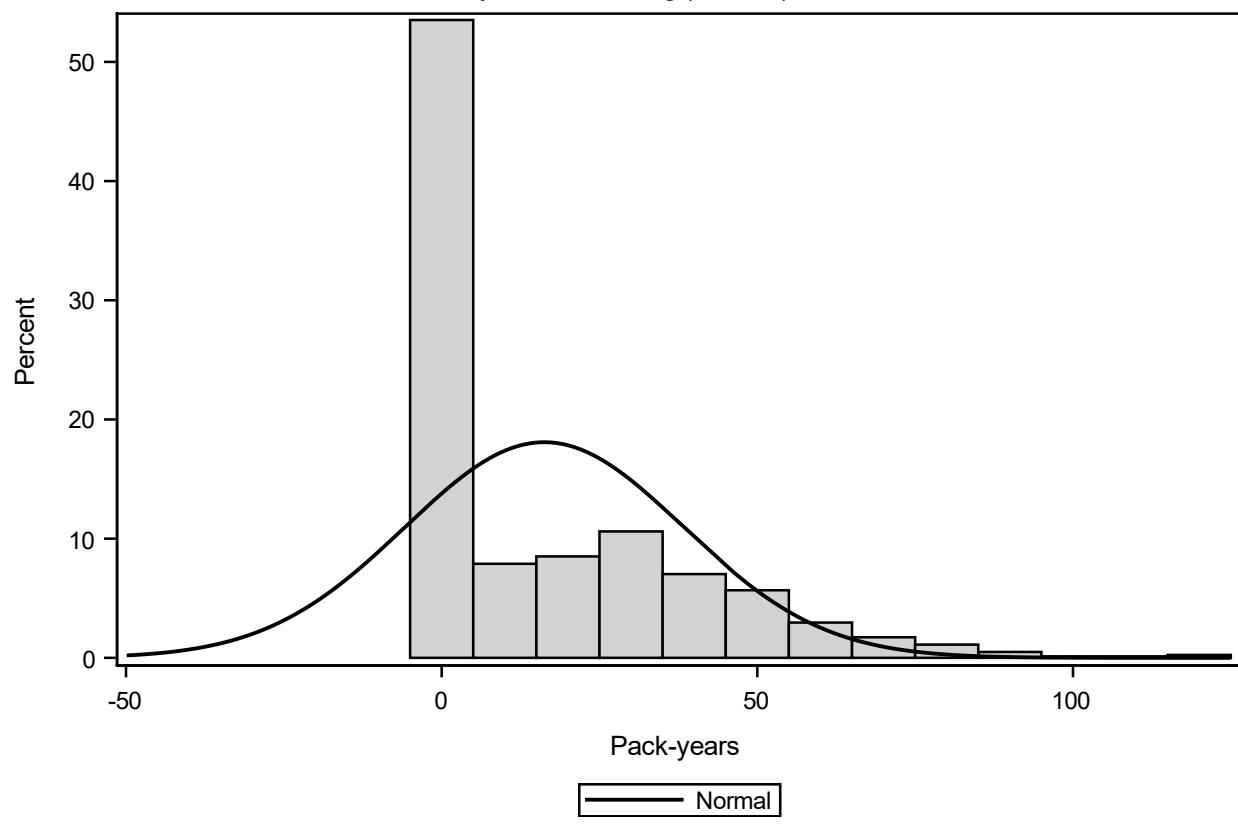
Descriptive Analysis: Homocysteine and Cognitive Function
Distributions
Log Homocysteine (LHCY) Distribution



Descriptive Analysis: Homocysteine and Cognitive Function
Distributions
Folate Distribution



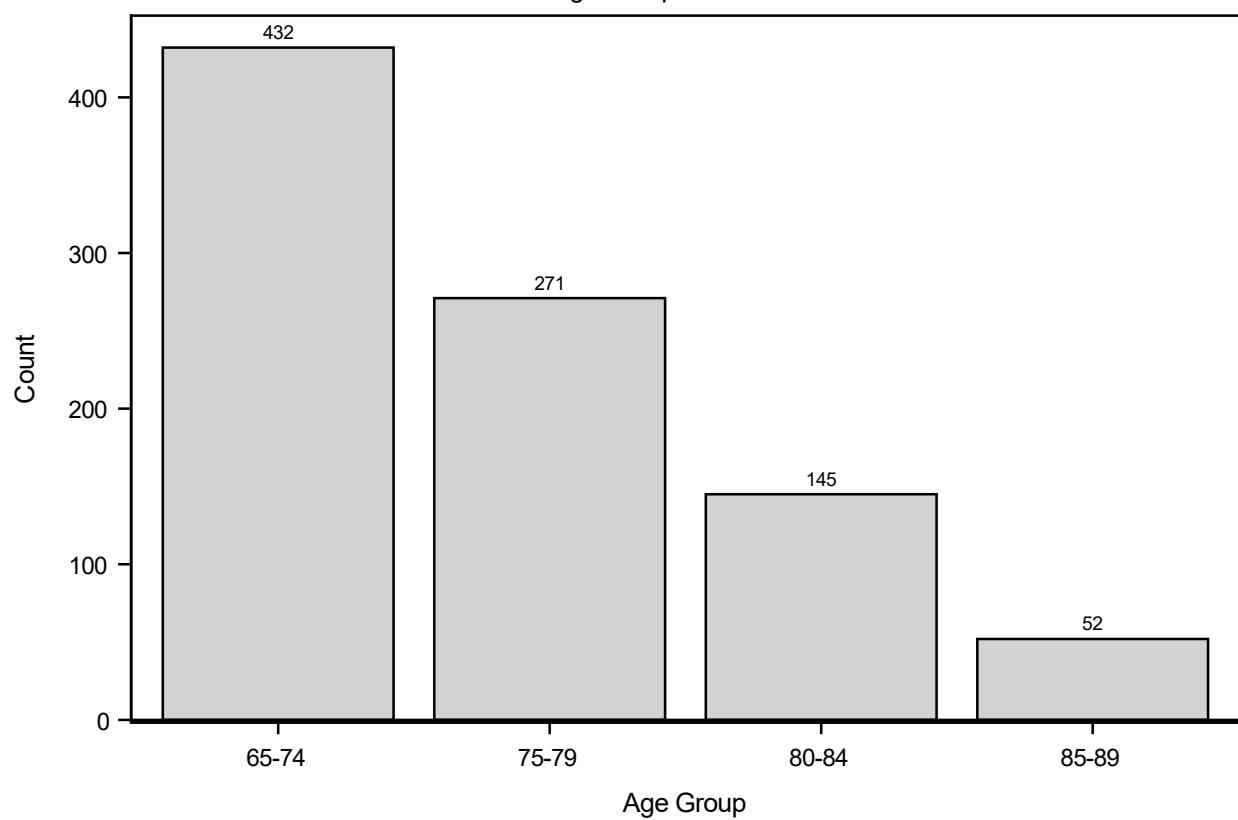
Descriptive Analysis: Homocysteine and Cognitive Function
Distributions
Pack-years of Smoking (PKYRS) Distribution



Descriptive Analysis: Homocysteine and Cognitive Function

Categorical Distributions

Age Group Distribution



Descriptive Analysis: Homocysteine and Cognitive Function
Categorical Distributions
Elevated Homocysteine (HCY ≥ 14) Distribution

