

A

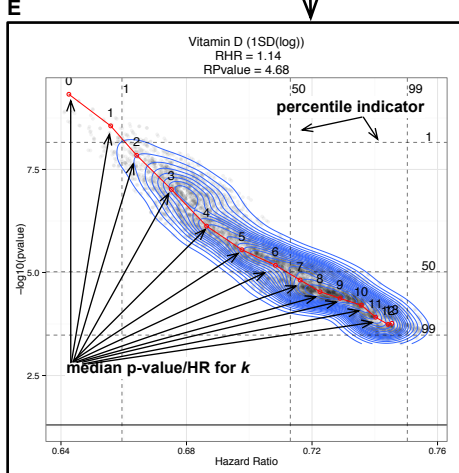
Data Source
 NHANES 1999-2004
 417 variables of interest
 time to death
 $N \geq 1000$ (≥ 100 deaths)

B

Variable of Interest
 1 SD of $\log(\text{serum Vitamin D})$

D

All-subsets Cox regression
 $2^{13} = 8,192$ models

E**F**

Vibration of Effects
 Relative Hazard Ratio (RHR) = $\text{HR}_{99} / \text{HR}_1$
 Range of P-value (RP) =
 $-\log_{10}(\text{p-value}_1) + \log_{10}(\text{pvalue}_{99})$

C

Adjusting Variable Set
 $n=13$

SES [3rd tertile]
 education [>HS]
 race [white]
 BMI [normal]
 total cholesterol
 any heart disease
 family heart disease
 any hypertension
 any diabetes
 any cancer
 current/past smoker
 [no smoking]
 drink 5/day
 physical activity