December 23, 1974

M E M O

TO: Henry Taylor, David Jacobs, Ronald Prineas

FROM: Henry Blackburn

RE: Risk factors, Any Comments?

I. Framingham data equivalent risks by G. Rose.

Slide
Fred
[signature]

EQUIVALENT CORONARY RISKS		
CIGARETTES	CHOLESTEROL	SBP
1) 0	400	<120
2) 0	<200	250
3) +	260	140

The point is that a person with a cholesterol level of 400 or a BP of 250 "attracts" medical attention as a high risk person, whereas the man #3, with equivalent risk, gets a pat on the back.

II. Relative risk deceiving. Absolute risk of smoking may be very large in a person with high risk otherwise. A corollary is that reducing one factor in a multiple risk case could have a disproportionately greater effect (?). Interaction on exponential part of curve (?). Test in Framingham data?

III. Rose-Whitehall Study. Multivariate adjusted t values deceiving.

ECG Codes=1111   Glucose = 5
Positive Rose Q AP = 10   Serum Cholesterol = 4
Positive Rose Q MI = 6   SBP = 3
Age = 6   Inhaling = 3
Dyspnea = 6   "Phlegm" = 2