

quitting, and the magnitude of this residual risk is proportional to the total lifetime exposure to cigarette smoke.

Populations With Low Rates of Smoking

Mortality has been studied in several population groups that have abstained from cigarette smoking for religious reasons. These include Seventh Day Adventists in California, Mormons living in Utah, members of the Reorganized Church of Jesus Christ of the Latter Day Saints living in Missouri, and Old Order Amish living in Indiana, Ohio, and Pennsylvania.

Seventh Day Adventists in California prohibit the use of tobacco and alcohol and advocate a well-balanced diet that includes a relatively large grain and fruit content. As reported by Wynder and Lemon (285), the Seventh Day Adventists have experienced exceptionally low coronary heart disease as well as low cancer mortality.

Cardiovascular mortality from 1969 to 1971 in Mormons and non-Mormons living in Utah was studied by Lyon et al. (165). Utah has the lowest per capita consumption of cigarettes and alcohol of the 50 States, and this is attributable to the Mormon Church's position against the use of tobacco and alcohol. Below the age of 65, both Mormons and non-Mormons in Utah had significantly lower coronary heart disease mortality than the average for U.S. whites, but above the age of 65 only Mormons had significantly lower rates. Mormon men and women in comparison with non-Mormon men and women living in Utah experienced 25 percent and 29 percent fewer deaths, respectively, from coronary heart disease. The rates were lower in Mormons than in non-Mormons at all ages. Below the age of 65, Mormon men and women experienced CHD mortality rates only 66 percent and 51 percent, respectively, of the rates for coronary heart disease that were experienced by U.S. whites.

The mortality of Missouri residents who were members of the Reorganized Church of Jesus Christ of Latter Day Saints (RLDS) was compared with the mortality of other white Missouri residents and of Utah residents for the period 1971-1978 (167). The RLDS advocates abstinence from the use of tobacco, alcohol, and hot drinks. A well-balanced diet is recommended, with ample whole grains, fruits, and vegetables but with moderate intake of meat. The total mortality rate for Missouri RLDS residents was 22.6 percent lower than that of other Missouri white residents and 14.4 percent lower than that of Utah residents. CHD mortality was 17.4 percent lower than CHD mortality for other Missouri whites. The CHD mortality of RLDS members appears to be intermediate between that of Mormons living in Utah and that of U.S. whites.

Mortality among Old Order Amish living in Ohio (1960-1975), Indiana (1967-1972), and Pennsylvania (1970-1975) was reported by

Hamman et al. (92). This unique population group is rooted in a rural lifestyle reminiscent of 19th century America. Their diet has been incompletely characterized, but probably is relatively high in fats and carbohydrates. Tobacco use has been widespread among men, but principally limited to pipe and cigar smoking and tobacco chewing. Alcohol intake is thought to be limited to consumption at home, and excessive intake is uncommon. Mortality of the Amish was compared with mortality of the non-Amish residents in the study counties. The non-Amish residents included an unknown proportion of those who were former members of the Amish faith and members of other conservative religious groups who shared components of the Amish lifestyle. Amish men, but not women, 40 to 69 years of age had significantly lower total mortality (61 percent and 98 percent, respectively) and cardiovascular mortality (65 percent and 89 percent) than did the non-Amish residents living in the same counties. Lower cardiovascular disease mortality for the Amish men was highly significant in all three States.

Conclusions

1. Cigarette smoking is a major cause of coronary heart disease in the United States for both men and women. Because of the number of persons in the population who smoke and the increased risk that cigarette smoking represents, it should be considered the most important of the known modifiable risk factors for CHD.
2. Overall, cigarette smokers experience a 70 percent greater CHD death rate than do nonsmokers. Heavy smokers, those who consume two or more packs per day, have CHD death rates between two and three times greater than nonsmokers.
3. The risk of developing CHD increases with increasing exposure to cigarette smoke, as measured by the number of cigarettes smoked daily, the total number of years one has smoked, and the degree of inhalation, and with an early age of initiation.
4. Cigarette smokers have a twofold greater incidence of CHD than do nonsmokers, and heavy smokers have an almost fourfold greater incidence.
5. Cigarette smoking is a major independent risk factor for CHD, and it acts synergistically with other risk factors (most notably, elevated serum cholesterol and hypertension) to greatly increase the risk of CHD.
6. Women have lower rates for CHD than do men. In particular, CHD rates for women are lower prior to the menopause. A part of this difference is due to the lower prevalence of smoking in women, and for those women who do smoke, to the tendency to smoke fewer cigarettes per day and to inhale less deeply.

Among those women who have smoking patterns comparable to male smoking patterns, the increments in CHD death rates are similar for the two sexes.

7. Women who use oral contraceptives and who smoke increase their risk of a myocardial infarction by an approximately tenfold factor, compared with women who neither use oral contraceptives nor smoke.
8. Cigarette smoking has been found to significantly elevate the risk of sudden death. Overall, smokers experience a two to four times greater risk of sudden death than nonsmokers. The risk appears to increase with increasing dosage as measured by the number of cigarettes smoked per day and diminishes with cessation of smoking.
9. The CHD mortality ratio for smokers compared with nonsmokers is greater for the younger age groups than for the older age groups. Although the smoker-to-nonsmoker mortality ratio narrows with increasing age, smokers continue to experience greater CHD death rates at all ages.
10. Cigarette smoking has been estimated to be responsible for up to 30 percent of all CHD deaths in the United States each year. During the period 1965 to 1980 there were over 3 million premature deaths from heart disease among Americans attributed to cigarette smoking. Unless smoking habits of the American population change, perhaps 10 percent of all persons now alive may die prematurely of heart disease attributable to their smoking behavior. The total number of such premature deaths may exceed 24 million.
11. Cessation of smoking results in a substantial reduction in CHD death rates compared with those of persons who continue to smoke. Mortality from CHD declines rapidly after cessation. Approximately 10 years following cessation the CHD death rate for those ex-smokers who consumed less than a pack of cigarettes daily is virtually identical to that of lifelong nonsmokers. For ex-smokers who had smoked more than one pack per day, the residual risk of CHD mortality is proportional to the total lifetime exposure to cigarette smoke.
12. Epidemiologic evidence concerning reduced tar and nicotine or filter cigarettes and their effect on CHD rates is conflicting. No scientific evidence is available concerning the impact on CHD death rates of cigarettes with very low levels of tar and nicotine.
13. Smokers who have used only pipes or cigars do not appear to experience substantially greater CHD risks than nonsmokers.

Appendix: Prediction of CHD

The probability of developing CHD may be accurately predicted within populations that are stratified by risk scores based on daily use of cigarettes and the levels of the other major risk factors. This may be accomplished efficiently using the multiple logistic equation, which provides for simultaneous consideration of multiple risk factors (40, 80, 84, 85, 88, 91, 126, 130, 133, 135, 137, 139, 143, 159, 168, 214, 221, 246). Furthermore, the reproducibility of the relationship between risk factors and the subsequent development of CHD may be tested among different population samples. As demonstrated in the investigations cited above, the risk of CHD in white populations in the United States and northern Europe has been shown to be predictable based on a knowledge of cigarette smoking, blood pressure, and serum cholesterol. In other population groups with lower incidences of CHD, relative risk has been predicted well, although the magnitude of risk has been overestimated. Such predictability confirms the importance of the major risk factors to the development of CHD.

Pooling Project

The relationships among a number of characteristics measured at baseline examinations and the subsequent development of CHD was studied intensively in the Pooling Project, in which the experience of five major prospective studies of defined cohorts were compared and combined. From these analyses it was concluded that the levels of the three major risk factors—cigarette smoking, blood pressure (systolic or diastolic blood pressure), and serum cholesterol—accounted for most of the risk predicted by the variables considered; the other variables were relative weight and ECG abnormalities. Furthermore, the relationships of the risk factors to CHD were similar among the cohorts considered.

Ranking of Risk

On the basis of the observed relationships among the levels of the major risk factors and the subsequent incidence of CHD in the pooled data, the men in each of the cohorts could be ranked by order of expected risk. With the men thus ranked in quintiles of estimated risk from low to high, the incidence of CHD was found to be nine times higher for the men in the uppermost quintile than for the men in the lowermost quintile.

Generalizability

To test the generalizability of the relationship between these risk factors and the subsequent incidence of CHD (in other words, the prediction of future CHD events from given individual characteris-

tics), the multiple logistic equation describing the relationship of risk factors to subsequent events in the combined data from the cohorts contributing to the pooled data were applied to other cohorts. In the cohort of U.S. railroad men, there was good correspondence between the number of first major coronary events predicted and the numbers observed by quintile of risk; 45 percent of CHD events were observed in the highest quintile and 74 percent were observed in the upper two quintiles. The total number of estimated cases was 133 as compared with 112 actually observed in the cohort of U.S. railroad men (Table 22).

Comparability of Framingham Study Results With the Results in the Other Cohorts

The mathematical relationships between the risk factors and the subsequent incidence of CHD for the Framingham study men were near the averages observed for the other four cohorts in the Pooling Project (Tables 23 and 24). The Framingham study results have been compared with the results of other cohort studies in the United States and elsewhere (25, 77, 85, 181); therefore, it is of interest to consider in some detail the closeness of agreement between the prediction of CHD by Framingham data and by the other cohort data in the Pooling Project. In univariate analyses for each study by CHD event and risk factor, it was found that the Framingham coefficients were not significantly different from those of the other cohorts, except for a higher coefficient for serum cholesterol in the Tecumseh cohort and a higher coefficient for cigarette smoking in the Chicago Gas Company cohort (Table 23). The Framingham coefficient for smoking was slightly lower than the average for the other cohorts.

Risk Indices for Individual Use

Multivariate risk-scoring indices for estimating the risk of CHD based on daily use of cigarettes and the levels of other characteristics have been developed for prediction of the risk of CHD in individuals. These include RISK0, developed by the Michigan Heart Association, the Framingham Risk Index, based on the Framingham study experience, and the Self-Scoring Risk Test, based on the experience of the Chicago Western Electric Company cohort (54, 138, 178).

The discriminative power of RISK0 and the Framingham Risk Index to identify individuals who would develop CHD was evaluated in the experience of Los Angeles County safety personnel (256). Personnel who were free of symptoms (4,066 individuals) were examined and followed in the 1971 to 1979 time frame with a less than 3 percent loss to followup (256). Subsequent to initial examination, 71 developed CHD; these symptomatic cases were characterized by a higher proportion of cigarette smokers (60 percent compared with 37 percent), higher systolic blood pressures, higher serum

TABLE 22.—Prediction of 10-year risk of a first event for men of two studies (Minnesota business and professional men and Minnesota-based railroad workers) from parameters of the multivariate logistic analysis for Pool 5, age 40–59 at entry

Quintiles of expected or predicted risk	Pool 5 (6,875 men)		Minnesota business and professional men (280 men)				Minnesota-based railroad workers (2,422 men)									
	Expected		Observed		Predicted		Predicted, corrected for duration of followup ¹		Observed		Predicted, corrected for duration of followup ²		Observed			
I	41.3 ³	30.0 ⁴	29	21.1	1.0	18.4	2.0	37.6	3	53.6	16.9	34.8	8.3	17.0	8	16.5
II	71.2	51.8	71	51.6	1.6	27.9	3.3	57.0	4	71.4	30.6	63.2	15.0	31.0	5	12.4
III	101.1	73.5	106	77.1	2.2	39.6	4.5	80.9	7	125.0	44.2	91.3	21.7	44.7	15	31.0
IV	145.5	105.8	164	119.3	3.1	55.3	6.3	113.0	6	107.1	64.7	133.7	31.7	65.5	33	68.2
V	264.0	192.0	251	182.5	5.5	97.4	11.2	199.1	12	214.3	115.2	237.0	56.4	116.1	50	102.9
All	623.1	90.6	621	90.3	13.4	47.7	27.4	97.5	32	114.3	271.5	112.1	133.0	54.9	112	46.2
V/I	6.4		8.7		5.3		5.3		4.0		6.8		6.8		6.3	
V-I	222.7	162.0	222	161.4	4.5	79.0	9.2	161.5	9	160.7	98.3	202.2	48.1	99.1	42	86.4
Percentage of events in V	42.4		40.4		40.8		40.8		37.5		42.2		42.4		44.6	
Percentage of events in VI + V	65.7		66.8		64.0		64.0		56.3		66.3		66.3		74.1	

¹ Mean duration of followup for Pool 5 men was sizably less than for Minnesota business and professional men. Since the relationship between age and incidence of major coronary events is curvilinear (exponential), not linear, a correction factor was derived from the 1970 U.S. life table for white men starting at age-predicted numbers of events; rates were multiplied by this correction factor—2.044—to obtain the numbers of events and rates for different duration of followup.

² Mean duration of followup for Pool 5 men was sizably greater than for Minnesota-based railroad workers. A correction factor—0.899—was derived by the method described in the footnote above.

³ Number of events.

⁴ Rate per 1,000.

SOURCE: Pooling Project Research Group (214).

TABLE 23.—Standardized univariate logistic coefficients for deaths from myocardial infarction, CHD, and all causes, by study and risk factor

	Framingham	Albany	Chicago Gas	Chicago W.E.	Tecumseh
Myocardial infarction or CHD death					
SBP	0.3373	0.2695	0.3123	0.2511	0.5633
DBP	0.3126	0.2845	0.3169	0.2797	0.5059
Cholesterol	0.3433	0.3614	0.2685	0.3271	0.7501 ¹
Relative weight	0.2775	0.2385	0.1496	0.0703	-0.0136
Smoking	0.3115	0.4450	0.6984 ¹	0.3049	0.5183
Death all causes					
SBP	0.4671	0.4671	0.4102	0.4196	0.2926
DBP	0.3684	0.4006	0.2426	0.3382	0.4906
Cholesterol	0.1156	0.1321	0.1815	0.0796	0.4533 ¹
Relative weight	0.0540	-0.1452	-0.0921	0.1645	-0.0214
Smoking	0.3876	0.3745	0.5806	0.3229	0.5546
CHD death					
SBP	0.4880	0.3103	0.3663	0.3212	0.5831
DBP	0.4139	0.3394	0.2818	0.4056	0.5518
Cholesterol	0.2872	0.2550	0.2474	0.2344	0.8586 ²
Relative weight	0.3229	0.0490	0.1967	0.0765	0.0453
Smoking	0.3327	0.4612	0.8060	0.2311	0.4623

¹ Differs significantly from Framingham ($p < .05$).

² Differs significantly from Framingham ($p < .01$).

NOTE: The coefficients here are given in less precision for ease of comparison. For each coefficient in the studies other than Framingham, a test statistic was calculated to test whether it differed significantly from the comparable coefficient for Framingham. Those that did were appropriately marked. The test statistic is the difference between the coefficients divided by the standard error of the difference. The standard error of the difference is calculated by taking the square root of the sum of the variance of the coefficients. Under appropriate normality assumptions, this statistic is a standard normal deviate.

SOURCE: McGee and Gordon (168).

cholesterol, slightly greater prevalence of excess body fat, and less frequent regular exercise. The risk scores of cases in comparison with noncases were significantly higher with RISK0 and with the Framingham Risk Index. In stepwise discriminant analysis, the Framingham Risk Index and RISK0, separately and in combination, identified the group with elevated levels of risk factors that experienced a higher incidence of CHD than the group with low levels of the risk factors.

Blacks and Whites in Evans County, Georgia

In looking for an explanation of the large difference in CHD incidence rates between black and white men in the Evans County study (see above), the incidence at different levels of risk factors was evaluated (28, 107, 258). Although cigarette smoking and other risk factors were strongly related to the incidence, differences in baseline characteristics did not appear to explain the higher rates of CHD in white men. However, white and black sharecroppers and farm

TABLE 24.—Standardized multivariate logistic coefficients for deaths from myocardial infarction, CHD, and all causes, by study and specified set of risk factors

	Framingham	Albany	Chicago Gas	Chicago W.E.	Tecumseh
Myocardial infarction or CHD death					
SBP	0.3432	0.2426	0.3376	0.2342	0.5524
Cholesterol	0.2905	0.3534	0.2187	0.3056	0.7989*
Smoking	0.3374	0.4227	0.7010 ¹	0.2820	0.5509
DBP	0.3022	0.2725	0.3694	0.2680	0.5222
Cholesterol	0.2893	0.3462	0.2176	0.2979	0.7705 ¹
Smoking	0.3352	0.4359	0.7240 ¹	0.2934	0.5647
Death all causes					
SBP	0.5483	0.4254	0.4495	0.275 ¹	0.4742
Cholesterol	0.0209	0.0992	0.1307	0.0260	0.4617 ¹
Smoking	0.4845	0.3453	0.6033	0.3206	0.5614
DBP	0.4305	0.3983	0.2855	0.3382	0.4971
Cholesterol	0.0279	0.0937	0.1339	0.0145	0.4391 ¹
Smoking	0.4655	0.3638	0.6012	0.3372	0.5880
CHD death					
SBP	0.5292	0.2697	0.3936	0.2981	0.5720
Cholesterol	0.2033	0.2406	0.1881	0.2025	0.9164*
Smoking	0.4027	0.4107	0.8076	0.2092	0.4969
DBP	0.4200	0.3126	0.3304	0.3799	9.5752
Cholesterol	0.2088	0.2324	0.1903	0.1905	0.8918*
Smoking	0.3806	0.4273	0.8200	0.2273	0.5140

¹ Differs significantly from Framingham ($p < .05$).

* Differs significantly from Framingham ($p < .01$).

NOTE: The coefficients here are given in less precision for ease of comparison. For each coefficient in the studies other than Framingham, a test statistic was calculated to test whether it differed significantly from the comparable coefficient for Framingham. Those that did were appropriately marked. The test statistic is the difference between the coefficients divided by the standard error of the difference. The standard error of the difference is calculated by taking the square root of the sum of the variance of the coefficients. Under appropriate normality assumptions, this statistic is a standard normal deviate.

SOURCE: McGee and Gordon (168).

laborers had similarly low incidences, but the numbers of cases were too few for more definitive analysis of the influence of occupation (29). At all levels of the major risk factors, the incidence of CHD was higher in white than in black men, but some differences were smaller in the higher ranges of the risk factors. The absolute rates for white men were higher than for black men whether they were smokers (including ex-smokers) or nonsmokers, but the relative risk for white male smokers compared with nonsmokers was 2, whereas the relative risk in black male smokers compared with nonsmokers was 3 (107).

Multivariate analyses were performed to evaluate differential risk between the black and the white men in Evans County (146). A multiple logistic model for the white men was developed using as

explanatory variables smoking, diastolic blood pressure multiplied by age, abnormal electrocardiogram, and cholesterol multiplied by age. This predicted the total incidence and the cases by decile of risk quite well among the white men. When this model was applied to the risk factor levels of the black men ranked by decile of relative risk, four times as many cases were predicted as had been observed (54 predicted, but only 13 actually observed). However, when the multiple logistic model was constrained by an appropriate constant, the number of cases fit the black data satisfactorily. This is consistent with the view that cigarette smoking and the other risk factors are as important in the blacks as in the whites, but that the blacks were protected by some factor that was not accounted for in the analysis (146).

The Seven Countries Study

In the Seven Countries study, the risk of CHD in U.S. railroad men resident in the northwest sector of the United States was compared with the risk of CHD in men living in contrasting environments in Europe and Japan. In the Pooling Project, the U.S. railroad men were found to have levels of risk factors comparable to the other principal cohorts, but the total number of cases was 16 percent lower than the number predicted by average parameters of the Pooling Project data.

The relationships of risk factors measured at entry to the subsequent incidence of CHD were less uniform in those cohorts of the Seven Countries study with a low incidence of CHD events, and the absolute incidence at specified levels of the risk factors was significantly different.

With parameters developed from the data of the U.S. railroad cohort and using the risk factors cigarette smoking, systolic blood pressure, serum cholesterol, body mass index, pulse rate, and age, 226 CHD deaths were predicted for the northern European cohorts, whereas 272 CHD deaths were actually observed. Although the predicted number of cases based on the experience of U.S. railroad men underestimated the number observed in the northern European cohorts by 20 percent, there was excellent correlation between predicted and observed cases by decile of risk. Furthermore, the absolute rate in the northern European cohorts was close to that predicted by average U.S. experience as observed in the Pooling Project.

In contrast to the northern European cohorts, the southern European cohorts had substantially fewer CHD deaths than were predicted by the multiple logistic equation based on the experience of the U.S. railroad cohort. As shown in Figure 14, 66 percent more cases were predicted than observed; however, rank order by decile of risk correlated closely ($r = 0.92$). Consistent with these differences,

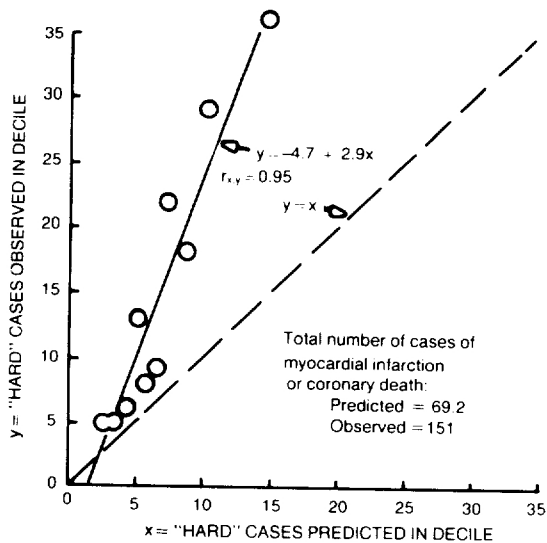


FIGURE 14.—Ten-year incidence of coronary death or myocardial infarction (hard CHD) in northern Europe, in the deciles of probability estimated from the logistic coefficients from the data on the men in southern Europe and the number of such incidence cases actually observed in those deciles

SOURCE: Keys (143).

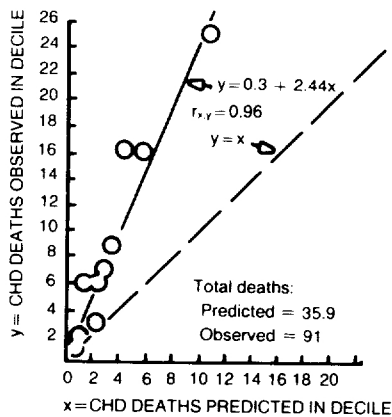


FIGURE 15.—Ten-year deaths from coronary heart disease in northern Europe, predicted in the deciles of probability estimated from the logistic coefficients from the data on the men in southern Europe and the number of coronary deaths actually found in those deciles

SOURCE: Keys (143).

multivariate equations for CHD incidence and for CHD deaths based on southern European experience underpredicted CHD incidence and death rates for the cohorts in northern Europe by a factor of 2.5 (Figures 14 and 15). Nevertheless, by rank order of risk, correlation between predicted and observed events was excellent ($r = 0.98$).

These detailed comparisons of the results from major epidemiologic investigations of CHD incidence do indicate that there is excellent agreement in the relationships of cigarette smoking and the other risk factors to the subsequent development of CHD in white men living in the United States and northern Europe. The agreement is close enough so that risk of CHD may be predicted well by the level of the major risk factors, using equations that are largely interchangeable among widely separated cohorts living in these different regions.

References

- (1) ALPERT, J.S., BRAUNWALD, E. Pathological and clinical manifestations of acute myocardial infarction. In: Braunwald, E. (Editor). *Heart Disease: A Textbook of Cardiovascular Medicine*. Volume 2. Philadelphia, W. B. Saunders Company, 1980, pp. 1309-1352.
- (2) AMERICAN HEART ASSOCIATION. *Heart Facts 1983*. Dallas, American Heart Association, National Center, 1983, 28 pp.
- (3) ANDERSON, A.E., Jr., FORAKER, A.G. Smoking, mortality, and sex in a community hospital necropsy population. *Southern Medical Journal* 74(9): 1097-1100, September 1981.
- (4) ANDERSON, A.J., LOEFFLER, R.F., BARBORIAK, J.J., RIMM, A.A. Occlusive coronary artery disease and parental history of myocardial infarction. *Preventive Medicine* 8(3): 419-428, May 1979.
- (5) ARKWRIGHT, P.D., BEILIN, L.J., ROUSE, I., ARMSTRONG, B.K., VANDONGEN, R. Effects of alcohol use and other aspects of lifestyle on blood pressure levels and prevalence of hypertension in a working population. *Circulation* 66(1): 60-66, July 1982.
- (6) ARTHES, F.G., MASI, A.T. Myocardial infarction in younger women. Associated clinical features and relationship to use of oral contraceptive drugs. *Chest* 70(5): 574-583, November 1976.
- (7) AUERBACH, O., CARTER, H.W. Smoking and the heart. In: Bristow, M.R. (Editor). *Drug-Induced Heart Disease. Meyler and Peck's Drug-Induced Diseases*. Volume 5. Amsterdam, Elsevier/North Holland Biomedical Press, 1980, pp. 359-376.
- (8) AUERBACH, O., CARTER, H.W., GARFINKEL, L., HAMMOND, E.C. Cigarette smoking and coronary artery disease. A macroscopic and microscopic study. *Chest* 70(6): 697-705, December 1976.
- (9) AUERBACH, O., HAMMOND, E.C., GARFINKEL, L. Smoking in relation to atherosclerosis of the coronary arteries. *New England Journal of Medicine* 273(15): 775-779, October 7, 1965.
- (10) BABA, N., BASHE, W.J., Jr., KELLER, M.D., GEER, J.C., ANTHONY, J.R. Pathology of atherosclerotic heart disease in sudden death. I. Organizing thrombosis and acute coronary vessel lesions. *Circulation* 51 and 52 (Supplement III): III-53-III-59, December 1975.
- (11) BARBORIAK, J.J., ANDERSON, A.J., HOFFMANN, R.G. Smoking, alcohol and coronary artery occlusion. *Atherosclerosis* 43(2/3): 277-282, June 1982.
- (12) BASHE, W.J., Jr., BABA, N., KELLER, M.D., GEER, J.C., ANTHONY, J.R. Pathology of atherosclerotic heart disease in sudden death. II. The significance of myocardial infarction. *Circulation* 51 and 52 (Supplement III): III-63-III-77, December 1975.
- (13) BEAGLEHOLE, R., TROST, D.C., TAMIR, I., KWITEROVICH, P., GLUECK, C.J., INSULL, W., CHRISTENSEN, B. Plasma high-density lipoprotein cholesterol in children and young adults. The Lipid Research Clinics Program prevalence study. *Circulation* 62(Supplement IV, part 2): IV-83-IV-92, November 1980.
- (14) BELSKY, J.L., KAGAN, A., SYME, S.L. *Epidemiologic Studies of Coronary Heart Disease and Stroke in Japanese Men Living in Japan, Hawaii and California. Research Plan*. Atomic Bomb Casualty Commission Technical Report 12-71, 1971. Microfiched and stored at Bay Microfilm, Inc., 737 Loma Verde Avenue, Palo Alto, California.
- (15) BENGTTSSON, C., LINDQUIST, O. Coronary heart disease during the menopause. In: Oliver, M.F. (Editor). *Coronary Heart Disease in Young Women*. Edinburgh, Churchill Livingstone, 1978, pp. 234-242.

- (16) BENGTTSSON, C., RYBO, G., WESTERBERG, H. Number of pregnancies, use of oral contraceptives and menopausal age in women with ischemic heart disease, compared to a population sample of women. *Acta Medica Scandinavica* (Supplement 549): 75-81, October 30, 1973.
- (17) BEST, E.W.R. *A Canadian Study of Smoking and Health*. Ottawa, Department of National Health and Welfare, Epidemiology Division, Health Services Branch, Biostatistics Division, Research and Statistics Directorate, 1966, 137 pp.
- (18) BEST, E.W.R., JOSIE, G.H., WALKER, C.B. A Canadian study of mortality in relation to smoking habits. A preliminary report. *Canadian Journal of Public Health* 52(3): 99-106, March 1961.
- (19) BLACKBURN, H., CHAPMAN, J., DAWBER, T.R., DOYLE, J.T., EPSTEIN, F.H., KANNEL, W.B., KEYS, A., MOORE, F., PAUL, O., STAMLER, J., TAYLOR, H.L. Revised data for 1970 ICHD report. *American Heart Journal* 94(4): 539-540, October 1977.
- (20) BLOXHAM, C.A., BEEVERS, D.G., WALKER, J.M. Malignant hypertension and cigarette smoking. *British Medical Journal* 1(6163): 581-583, 1979.
- (21) BODEN, L.I. The economic impact of environmental disease on health care delivery. *Journal of Occupational Medicine* 18(7): 467-472, July 1976.
- (22) BÖTTIGER, L.E., CARLSON, L.A. Risk factors for death for males and females. A study of the death pattern in the Stockholm prospective study. *Acta Medica Scandinavica* 211(6): 437-442, 1982.
- (23) BRADLEY, D.D., WINGERD, J., PETITTI, D.B., KRAUSS, R.M., RAMCHARAN, S. Serum high-density-lipoprotein cholesterol in women using oral contraceptives, estrogens and progestins. *New England Journal of Medicine* 299(1): 17-20, July 6, 1978.
- (24) BRAND, R.J. Coronary-prone behavior as an independent risk factor for coronary heart disease. In: Dembroski, T.M., Weiss, S.M., Shields, J.L., Haynes, S., Feinleib, M. (Editors). *Coronary-Prone Behavior*. New York, Springer-Verlag, 1978, pp. 11-24.
- (25) BRAND, R.J., ROSENMAN, R.H., SHOLTZ, R.I., FRIEDMAN, M. Multivariate prediction of coronary heart disease in the Western Collaborative Group study compared to the findings of the Framingham study. *Circulation* 53(2): 348-355, February 1976.
- (26) CARLSON, L.A., BOTTIGER, L.E. Ischaemic heart-disease in relation to fasting values of plasma triglycerides and cholesterol. Stockholm prospective study. *Lancet* 1(7756): 865-870, April 22, 1972.
- (27) CARLSON, L.A., BOTTIGER, L.E., AHFELDT, P.-E. Risk factors for myocardial infarction in the Stockholm prospective study. A 14-year follow-up focussing on the role of plasma triglycerides and cholesterol. *Acta Medica Scandinavica* 206(5): 351-360, 1979.
- (28) CASSEL, J., HEYDEN, S., BARTEL, A.G., KAPLAN, B.H., TYROLER, H.A., CORNONI, J.C., HAMES, C.G. Incidence of coronary heart disease by ethnic group, social class, and sex. *Archives of Internal Medicine* 128(6): 901-906, December 1971.
- (29) CASSEL, J., HEYDEN, S., BARTEL, A.G., KAPLAN, B.H., TYROLER, H.A., CORNONI, J.C., HAMES, C.G. Occupation and physical activity and coronary heart disease. *Archives of Internal Medicine* 128(6): 920-928, December 1971.
- (30) CASTELLI, W.P., DAWBER, T.R., FEINLEIB, M., GARRISON, R.J., McNAMARA, P.M., KANNEL, W.B. The filter cigarette and coronary heart disease: The Framingham study. *Lancet* 2(8238): 109-113, July 18, 1981.

- (31) CEDERLOF, R., FRIBERG, L., HRUBEC Z., LORICH, U. *The Relationship of Smoking and Some Social Covariables to Mortality and Cancer Morbidity. A ten-year follow-up in a probability sample of 55,000 Swedish subjects, age 18-69, Part 1 and Part 2.* Stockholm, Sweden, Department of Environmental Hygiene, The Karolinska Institute, 1975, 91 pp.
- (32) CHESEBRO, J.H., FUSTER, V., ELVEBACK, L.R., FRYE, R.L. Strong family history and cigarette smoking as risk factors of coronary artery disease in young adults. *British Heart Journal* 47(1): 78-83, January 1982.
- (33) COBB, L.A., WERNER, J.A., TROBAUGH, G.B. Sudden cardiac death: I. A decade's experience with out-of-hospital resuscitation. *Modern Concepts of Cardiovascular Disease* 49(6): 31-36, June 1980.
- (34) COHN, P.F., BRAUNWALD, E. Chronic coronary artery disease. In: Braunwald, E. (Editor). *Heart Disease: A Textbook of Cardiovascular Medicine.* Volume 2. Philadelphia, W.B. Saunders Company, 1980, pp. 1387-1436.
- (35) CRIQUI, M.H., WALLACE, R.B., HEISS, G., MISHKEL, M., SCHONFELD, G., JONES, G.T.L. Cigarette smoking and plasma high-density lipoprotein cholesterol. The Lipid Research Clinics Program prevalence study. *Circulation* 62(Supplement IV, part 2): IV-70-IV-76, November 1980.
- (36) CRIQUI, M.H., WALLACE, R.B., MISHKEL, M., BARRET-CONNOR, E., HEISS, G. Alcohol consumption and blood pressure. The Lipid Research Clinics prevalence study. *Hypertension* 3(5): 557-565, September-October 1981.
- (37) CRYER, P.E., HAYMOND, M.W., SANTIAGO, J.V., SHAH, S.O. Norepinephrine and epinephrine release and adrenergic mediation of smoking-associated hemodynamic and metabolic events. *New England Journal of Medicine* 295(11): 573-577, September 9, 1976.
- (38) CULLEN, K., STENHOUSE, N.S., WEARNE, K.L. Alcohol and mortality in the Busselton study. *International Journal of Epidemiology* 11(1): 67-70, March 1982.
- (39) DALEN, J.E., OCKENE, I.S., ALPERT, J.S. Coronary spasm, coronary thrombosis and myocardial infarction. *Transactions of the American Clinical and Climatological Association* 93: 87-97, 1981.
- (40) DAWBER, T.R. *The Framingham Study: The Epidemiology of Atherosclerotic Disease.* Cambridge, Harvard University Press, 1980, 267 pp.
- (41) DEDONDER-DECOOPMAN, E., FIEVET-DESREUMAUX, C., CAMPOS, E., MOULIN, S., DEWAILLY, P., SEZILLE, G., JAILLARD, J. Plasma levels of VLDL + LDL-cholesterol, HDL-cholesterol, triglycerides and apolipoproteins B and A-I in a healthy population. *Atherosclerosis* 37(4): 559-568, December 1980.
- (42) DIMSDALE, J.E., HUTTER, A.M., Jr., HACKETT, T.P., BLOCK, P.C. Predicting extensive coronary artery disease. *Journal of Chronic Diseases* 34(11): 513-517, 1981.
- (43) DOLL, R., GRAY, R., HAFNER, B., PETO, R. Mortality in relation to smoking: 22 years' observations on female British doctors. *British Medical Journal* 280(6219): 967-971, April 5, 1980.
- (44) DOLL, R., HILL, A.B. Mortality of British doctors in relation to smoking: Observations on coronary thrombosis. In: Haenzel, W. (Editor). *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases.* National Cancer Institute Monograph No. 19. U.S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, January 1966, pp. 205-268.
- (45) DOLL, R., PETO, R. Mortality in relation to smoking: 20 years' observations on male British doctors. *British Medical Journal* 2(6051): 1525-1536, December 25, 1976.

- (46) DORN, H.F. Tobacco consumption and mortality from cancer and other diseases. *Public Health Reports* 74(7): 581-593, July 1959.
- (47) DOYLE, J.T. Mechanisms and prevention of sudden death. *Modern Concepts of Cardiovascular Disease* 45(7): 111-116, July 1976.
- (48) DOYLE, J.T., DAWBER, T.R., KANNEL, W.B., HESLIN, A.S., KAHN, H.A. Cigarette smoking and coronary heart disease. Combined experience of the Albany and Framingham studies. *New England Journal of Medicine* 266(16): 796-801, April 19, 1962.
- (49) DOYLE, J.T., DAWBER, T.R., KANNEL, W.B., KINCH, S.H., KAHN, H.A. The relationship of cigarette smoking to coronary heart disease. The second report of the combined experience of the Albany, NY, and Framingham, Mass., studies. *Journal of the American Medical Association* 190(10): 108-112, December 7, 1964.
- (50) DOYLE, J.T., KANNEL, W.B., McNAMARA, P.M., QUICKENTON, P., GORDON, T. Factors related to suddenness of death from coronary disease: Combined Albany-Framingham studies. *American Journal of Cardiology* 37(7): 1073-1078, June 1976.
- (51) DUCIMETIERE, P., ESCHWEGE, E., RICHARD, J., CLAUDE, J., ELGRISHI, I. Relationship of glucose tolerance to prevalence of ECG abnormalities and to annual mortality from cardiovascular disease: Results of the Paris prospective study. *Journal of Chronic Diseases* 32(11/12): 759-766, 1979.
- (52) DYER, A.R., STAMLER, J., SHEKELLE, R.B., SCHOENBERGER, J.A., STAMLER, R., SHEKELLE, S., BERKSON, D.M., PAUL, O., LEPPER, M.H., LINDBERG, H.A. Pulse pressure—I. Level and associated factors in four Chicago epidemiologic studies. *Journal of Chronic Diseases* 35(4): 259-273, 1982.
- (53) DYER, A.R., STAMLER, J., SHEKELLE, R.B., SCHOENBERGER, J.A., STAMLER, R., SHEKELLE, S., BERKSON, D.M., PAUL, O., LEPPER, M.H., LINDBERG, H.A. Pulse pressure—II. Factors associated with follow-up values in three Chicago epidemiologic studies. *Journal of Chronic Diseases* 35(4): 275-282, 1982.
- (54) DYER, A.R., STAMLER, J., UBELL, E., PAUL, O., LEPPER, M.H., BERKSON, D.M., LINDBERG, H.A. A self-scoring five-question risk test for coronary heart disease. *Circulation* 60(4): 914-920, October 1979.
- (55) EISENBERG, M.S., BERGNER, L., HEARNE, T. Out-of-hospital cardiac arrest: A review of major studies and a proposed uniform reporting system. *American Journal of Public Health* 70(3): 236-240, March 1980.
- (56) EISENBERG, M.S., HALLSTROM, A., BERGNER, L. Long-term survival after out-of-hospital cardiac arrest. *New England Journal of Medicine* 306(22): 1340-1343, June 3, 1982.
- (57) ELLIOT, J.M., SIMPSON, F.O. Cigarettes and accelerated hypertension. *New Zealand Medical Journal* 91(662): 447-449, June 25, 1980.
- (58) ENGEL, H.J., PAGE, H.L., Jr., CAMPBELL, W.B. Coronary artery disease in young women. *Journal of the American Medical Association* 230(11): 1531-1534, December 16, 1974.
- (59) ENGER, S.C., HERBJORNSEN, K., ERIKSSON, J., FRETTLAND, A. High density lipoproteins (HDL) and physical activity: The influence of physical exercise, age and smoking on HDL-cholesterol and the HDL-/total cholesterol ratio. *Scandinavian Journal of Clinical and Laboratory Investigation* 37(3): 251-255, May 1977.
- (60) ENGLISH, J.P., WILLIUS, F.A., BERKSON, J. Tobacco and coronary disease. *Journal of the American Medical Association* 115(16): 1327-1329, October 19, 1940.

- (61) EPSTEIN, F.H., OSTRANDER, L.D., Jr., JOHNSON, B.C., PAYNE, M.W., HAYNER, N.S., KELLER, J.B., FRANCIS, T., Jr. Epidemiological studies of cardiovascular disease in a total community—Tecumseh, Michigan. *Annals of Internal Medicine* 62(6): 1170-1187, June 1965.
- (62) FAGER, G., WIKLUND, O., OLOFSSON, S.-O., WILHELMSSON, C., BONDJERS, G. Serum apolipoprotein levels in relation to acute myocardial infarction and its risk factors. Apolipoprotein A-I levels in male survivors of myocardial infarction. *Atherosclerosis* 36(1): 67-74, May 1980.
- (63) FOGARTY INTERNATIONAL CENTER FOR ADVANCED STUDY IN THE HEALTH SCIENCES. *Preventive Medicine—U.S.A.* A Report of the Task Force on Preventive Medicine. Prodist, N.Y., 1976, 836 pp.
- (64) FRASER, G.E., UPSDELL, M. Alcohol and other discriminants between cases of sudden death and myocardial infarction. *American Journal of Epidemiology* 114(4): 462-476, October 1981.
- (65) FREESTONE, S., RAMSAY, L.E. Effect of coffee and cigarette smoking on the blood pressure of untreated and diuretic-treated hypertensive patients. *American Journal of Medicine* 73(9): 348-353, September 1982.
- (66) FRENCH-BELGIAN COLLABORATIVE GROUP. Ischemic heart disease and psychological patterns. Prevalence and incidence studies in Belgium and France. *Advances in Cardiology* 29: 25-31, 1982.
- (67) FRIEDMAN, G.D., DALES, L.G., URY, H.K. Mortality in middle-aged smokers and nonsmokers. *New England Journal of Medicine* 300(5): 213-217, February 1, 1979.
- (68) FRIEDMAN, G.D., KLATSKY, A.L., SIEGELAUB, A.B. Predictors of sudden cardiac death. *Circulation* 51 and 52(Supplement III): III-164—III-169, December 1975.
- (69) FRIEDMAN, G.D., PETITTI, D.B., BAWOL, R.D., SIEGELAUB, A.B. Mortality in cigarette smokers and quitters. Effect of base-line differences. *New England Journal of Medicine* 304(23): 1407-1410, June 4, 1981.
- (70) FRIEDMAN, G.D., SIEGELAUB, A.B. Changes after quitting cigarette smoking. *Circulation* 61(4): 716-723, April 1980.
- (71) FRIEDMAN, M. Type A behavior pattern: Some of its pathophysiological components. *Bulletin of the New York Academy of Medicine* 53(7): 593-604, September 1977.
- (72) FURBERG, C., ROMO, M., LINKO, E., SILTANEN, P., TIBBLIN, G., WILHELMSEN, L. Sudden coronary death in Scandinavia. A report from Scandinavian coronary heart disease registers. *Acta Medica Scandinavica* 201(6): 553-557, 1977.
- (73) GARFINKEL, L. Cardiovascular mortality and cigarette smoking. IN: Ramström, L.M. (Editor). *The Smoking Epidemic, A Matter of Worldwide Concern.* Proceedings of the Fourth World Conference on Smoking and Health, Stockholm, Almqvist and Wilsell International, 1980, pp. 41-44.
- (74) GARRISON, R.J., KANNEL, W.B., FEINLEIB, M., CASTELLI, W.P., McNAMARA, P.M., PADGETT, S.J. Cigarette smoking and HDL cholesterol: The Framingham offspring study. *Atherosclerosis* 30(1): 17-25, May 1978.
- (75) GILLUM, R.F. Coronary heart disease in black populations. I. Mortality and morbidity. *American Heart Journal* 104(4, part 1): 839-851, October 1982.
- (76) GILLUM, R.F., GRANT, C.T. Coronary heart disease in black populations. II. Risk factors. *American Heart Journal* 104(4, part 1): 852-864, October 1982.
- (77) GILLUM, R.F., PAFFENBARGER, R.S., Jr. Chronic disease in former college students. XVII. Sociocultural mobility as a precursor of coronary heart disease and hypertension. *American Journal of Epidemiology* 108(4): 289-298, October 1978.
- (78) GLOMSET, J.A. High-density lipoproteins in human health and disease. *Advances in Internal Medicine* 25: 91-116, 1980.

- (79) GLUECK, C.J., TAYLOR, H.L., JACOBS, D., MORRISON, J.A., BEAGLE-HOLE, R., WILLIAMS, O.D. Plasma high-density lipoprotein cholesterol: Association with measurements of body mass. The Lipid Research Clinics program prevalence study. *Circulation* 62(Supplement IV, part 2): IV-62—IV-69, November 1980.
- (80) GOLDBOURT, U., MEDALIE, J.H. High density lipoprotein cholesterol and incidence of coronary heart disease—The Israeli ischemic heart disease study. *American Journal of Epidemiology* 109(3): 296–308, March 1979.
- (81) GOLDBOURT, U., MEDALIE, J.H., NEUFELD, H.N. Clinical myocardial infarction over a five-year period—III. A multivariate analysis of incidence, the Israel ischemic heart disease study. *Journal of Chronic Diseases* 28(4): 217–237, April 1975.
- (82) GOLDSTEIN, J.L., BROWN, M.S. Lipoprotein receptors: Genetic defense against atherosclerosis. *Clinical Research* 30(5): 417–426, December 1982.
- (83) GORDON, T. Further mortality experience among Japanese Americans. *Public Health Reports* 82(11): 973–984, November 1967.
- (84) GORDON, T., CASTELLI, W.P., HJORTLAND, M.C., KANNEL, W.B., DAWBER, T.R. High density lipoprotein as a protective factor against coronary heart disease. The Framingham study. *American Journal of Medicine* 62: 707–714, May 1977.
- (85) GORDON, T., GARCIA-PALMIERI, M.R., KAGAN, A., KANNEL, W.B., SCHIFFMAN, J. Differences in coronary heart disease in Framingham, Honolulu and Puerto Rico. *Journal of Chronic Diseases* 27(7/8): 329–344, September 1974.
- (86) GORDON, T., KANNEL, W.B. The Framingham, Massachusetts, study twenty years later. In: Kessler, I.I., Levin, M.L. (Editors). *The Community as an Epidemiologic Laboratory: A Casebook of Community Studies*. Baltimore, The Johns Hopkins University Press, 1970, pp. 123–146.
- (87) GORLIN, R. Role of coronary vasospasm in the pathogenesis of myocardial ischemia and angina pectoris. *American Heart Journal* 103(4, part 2): 598–603, April 1982.
- (88) GREIG, M., PEMBERTON, J., HAY, I., MacKENZIE, G. A prospective study of the development of coronary heart disease in a group of 1202 middle-aged men. *Journal of Epidemiology and Community Health* 34(1): 23–30, March 1980.
- (89) GRUNDY, P.F. *Mortality in Relation to Lung Function, Respiratory Symptoms, Obesity and Smoking Habit*. Volume I. Heath Park, Cardiff, Welsh National School of Medicine, April 1979, 124 pp.
- (90) GSELL, O., ABELIN, T., WIELTCHNIG, E. Rauchen und Mortalität der Schweizer Ärzte: Resultata nach 18 Jahriger Beobachtung. [Smoking and mortality of Swiss physicians: Results after 18 years of observation.] *Bulletin der Schweizerischen Akademie der Medizinischen Wissenschaften* 35(1–3): 71–82, March 1979.
- (91) GYNTELBERG, F., LAURIDSEN, L., PEDERSEN, P.B., SCHUBELL, K. Smoking and risk of myocardial infarction in Copenhagen men aged 40–59 with special reference to cheroot smoking. *Lancet* 1(8227): 987–989, May 2, 1981.
- (92) HAMMAN, R.F., BARANCIK, J.I., LILIENFELD, A.M. Patterns of mortality in the Old Order Amish. I. Background and major causes of death. *American Journal of Epidemiology* 114(6): 845–861, December 1981.

- (93) HAMMOND, E.C. Smoking in relation to the death rates of one million men and women. In: Haenzel, W. (Editor). *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*. National Cancer Institute Monograph No. 19. U.S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, January 1966, pp. 127-204.
- (94) HAMMOND, E.C., GARFINKEL, L. Coronary heart disease, stroke, and aortic aneurysm. Factors in the etiology. *Archives of Environmental Health* 19(2): 167-182, August 1969.
- (95) HAMMOND, E.C., GARFINKEL, L., SEIDMAN, H., KEW, E.A. "Tar" and nicotine content of cigarette smoke in relation to death rates. *Environmental Research* 12(3): 263-274, December 1976.
- (96) HAMMOND, E.C., HORN, D. Smoking and death rates—Report on forty-four months of follow-up of 187,783 men: II. Death rates by cause. *Journal of the American Medical Association* 166(11): 1294-1308, March 15, 1958.
- (97) HANSEN, J.F. Chest pain, risk factors and coronary artery disease. *Danish Medical Bulletin* 27(3): 148-152, July 1980.
- (98) HASIN, Y., EISENBERG, S., FRIEDLANDER, J., LEWIS, B.S., GOTSMAN, M.S. Relationship between extent of coronary artery disease and correlative risk factors. *American Heart Journal* 98(5): 555-561, November 1979.
- (99) HASKELL, W.L., TAYLOR, H.L., WOOD, P.D., SCHROTT, H., HEISS, G. Strenuous physical activity, treadmill exercise test performance and plasma high-density lipoprotein cholesterol. The Lipid Research Clinics Program prevalence study. *Circulation* 62(Supplement IV, part 2): IV-53-IV-61, November 1980.
- (100) HAVEL, R.J., GOLDSTEIN, J.L., BROWN, M.S. Lipoproteins and lipid transport. In: Bondy, P.K., Rosenberg, L.E. (Editors). *Metabolic Control and Disease*. Eighth Edition. Philadelphia, W.B. Saunders Company, 1980, pp. 393-494.
- (101) HAVLIK, R.J., FEINLEIB, M., THOM, T., KRAMES, B., SHARRETTA, A.R., GARRISON, R. (Editors). *Proceedings of the Conference on the Decline in Coronary Heart Disease Mortality*. Bethesda, Maryland, October 24-25, 1978. U.S. Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health. NIH Publication No. 79-1610, May 1979, 399 pp.
- (102) HAVLIK, R.J., GARRISON, R.J., FEINLEIB, M., PADGETT, S., CASTELLI, W.P., McNAMARA, P.M. Evidence for additional blood pressure correlates in adults 20-56 years old. *Circulation* 61(4): 710-715, April 1980.
- (103) HAYNES, S.G., FEINLEIB, M. Women, work and coronary heart disease: Prospective findings from the Framingham heart study. *American Journal of Public Health* 70(2): 133-141, February 1980.
- (104) HAYNES, S.G., FEINLEIB, M., KANNEL, W.B. The relationship of psychosocial factors to coronary heart disease in the Framingham study. III. Eight-year incidence of coronary heart disease. *American Journal of Epidemiology* 111(1): 37-58, 1980.
- (105) HEISS, G., HASKELL, W., MOWERY, R., CRIQUI, M.H., BROCKWAY, M., TYROLER, H.A. Plasma high-density lipoprotein cholesterol and socioeconomic status. The Lipid Research Clinics Program prevalence study. *Circulation* 62(Supplement IV, part 2): IV-108-IV-115, November 1980.
- (106) HEISS, G., TAMIR, I., DAVIS, C.E., TYROLER, H.A., RIFKIND, B.M., SCHONFELD, G., JACOBS, D., FRANTZ, I.D., Jr. Lipoprotein-cholesterol distributions in selected North American populations: The Lipid Research Clinics Program prevalence study. *Circulation* 61(2): 302-315, February 1980.

- (107) HEYDEN, S., CASSEL, J.C., BARTEL, A., TYROLER, H.A., HAMES, C.G., CORNONI, J.C. Body weight and cigarette smoking as risk factors. *Archives of Internal Medicine* 128(6): 915-919, December 1971.
- (108) HIGGENBOTTAM, T., SHIPLEY, M.J., ROSE, G. Cigarettes, lung cancer, and coronary heart disease: The effects of inhalation and tar yield. *Journal of Epidemiology and Community Health* 36(2): 113-117, June 1982.
- (109) HINKLE, L.E., Jr. The immediate antecedents of sudden death. *Acta Medica Scandinavica* (Supplement)651: 207-217, 1981.
- (110) HINKLE, L.E., Jr. Short-term risk factors for sudden death. *Annals of the New York Academy of Sciences* 382: 22-38, 1982.
- (111) HIRAYAMA, T. Kitsuen to junkanki shikkan no kankei ni kansuru ekigakuteki kenkyu. [Smoking and cardiovascular disease—An epidemiological study.] *Korei Igaku* 13(3): 86-91, 1975.
- (112) HIRAYAMA, T. Kitsuen to kyoketsusei shinzobyō to no kankei ni kansuru ekigakuteki kenkyu. [An epidemiological study on smoking and ischemic heart disease.] *General Clinical Journal* 27(2): 265-274, 1978.
- (113) HIRAYAMA, T. Kitsuen to domyaku koka to no kankei ni kansuru ekigakuteki kenkyu. [Smoking and arteriosclerosis—An epidemiological study.] *Chiryō* 61(4): 25-32, 1979.
- (114) HIRAYAMA, T. Kitsuen to domyaku koka to no kankei ni kansuru ekigakuteki kenkyu. [Smoking and arteriosclerosis—An epidemiological study.] *Saishin Igaku* 36(4): 798-809, 1981.
- (115) HIRAYAMA, T. Kitsuen to inshu to seijinbyō to no kankei ni kansuru ekigakuteki kenkyu. [An epidemiological study on smoking and drinking and chronic diseases.] *Special Issue—Alcohol, Tobacco and Adult Diseases* 12(2): 11-19, 1981.
- (116) HIRAYAMA, T., HAMANO, Y. Kitsuen to shuyo shiin betsu shibo ritsu to no kankei. [Smoking and mortality from major causes of death.] *Eisei No Shibyo* 28(4): 3-18, 1981.
- (117) HOLME, I., HELGELAND, A., HJERMANN, I., LEREN, P., LUND-LARSEN, P.G. Four and two-thirds years incidence of coronary heart disease in middle-aged men: The Oslo study. *American Journal of Epidemiology* 112(1): 149-160, July 1980.
- (118) HOLMES, D.R., Jr., ELVEBACK, L.R., FRYE, R.L., KOTTKE, B.A., ELLEFSON, R.D. Association of risk factor variables and coronary artery disease documented with angiography. *Circulation* 63(2): 293-299, February 1981.
- (119) HOPKINS, P.N., WILLIAMS, R.R. A survey of 246 suggested coronary risk factors. *Atherosclerosis* 40(1): 1-52, August/September 1981.
- (120) HRUBEC, Z., ZUKEL, W.J. Epidemiology of coronary heart disease among young army males of World War II. *American Heart Journal* 87(6): 722-730, June 1974.
- (121) HUBERT, H.B., HOLFORD, T.R., KANNEL, W.B. Clinical characteristics and cigarette smoking in relation to prognosis of angina pectoris in Framingham. *American Journal of Epidemiology* 115(2): 231-242, February 1982.
- (122) HULLEY, S., ASHMAN, P., KULLER, L., LASSER, N., SHERWIN, R. HDL-cholesterol levels in the Multiple Risk Factor Intervention Trial (MRFIT) by the MRFIT Research Group. *Lipids* 14(1): 119-125, January 1979.
- (123) HULLEY, S.B., COHEN, R., WIDDOWSON, G. Plasma high-density lipoprotein cholesterol level: Influence of risk factor intervention. *Journal of the American Medical Association* 238(21): 2269-2271, November 21, 1977.
- (124) INTER-SOCIETY COMMISSION FOR HEART DISEASE RESOURCES. Primary prevention of the atherosclerotic diseases. *Circulation* 42(6): A-55-A-95, December 1970.

- (125) ISLES, C., BROWN, J.J., CUMMING, A.M.M., LEVER, A.F., McAREAVEY, D., ROBERTSON, J.I.S., HAWTHORNE, V.M., STEWART, G.M., ROBERTSON, J.W.K., WAPSHAW, J. Excess smoking in malignant-phase hypertension. *British Medical Journal* 1(6163): 579-581, March 3, 1979.
- (126) ITALIAN RESEARCH GROUP OF THE SEVEN COUNTRIES STUDY. Incidence and prediction of coronary heart disease in two Italian rural population samples followed-up for 20 years. *Acta Cardiologica* 37(2): 129-145, 1982.
- (127) JAIN, A.K. Cigarette smoking, use of oral contraceptives, and myocardial infarction. *American Journal of Obstetrics and Gynecology* 126(3): 301-307, October 1, 1976.
- (128) JICK, H., DINAN, B., ROTHMAN, K.J. Oral contraceptives and nonfatal myocardial infarction. *Journal of the American Medical Association* 239(14): 1403-1406, April 3, 1978.
- (129) JICK, H., PORTER, J., MORRISON, A.S. Relation between smoking and age of natural menopause. Report from the Boston Collaborative Drug Surveillance Program, Boston University Medical Center. *Lancet* 1(8026): 1354-1355, June 25, 1977.
- (130) KAGAN, A., GORDON, T., RHOADS, G.G., SCHIFFMAN, J.C. Some factors related to coronary heart disease incidence in Honolulu Japanese men: The Honolulu heart study. *International Journal of Epidemiology* 4(4): 271-279, December 1975.
- (131) KAHN, H.A. The Dorn study of smoking and mortality among U.S. veterans: Report on eight and one-half years of observation. In: Haenzel, W. (Editor). *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*. National Cancer Institute Monograph No. 19. U.S. Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, January 1966, pp. 1-125.
- (132) KANNEL, W.B. *Habits and Coronary Heart Disease. The Framingham Heart Study*. U.S. Department of Health and Human Services, Public Health Service, National Heart Institute, Heart Information Center, Public Health Service Publication No. 1515, 1966.
- (133) KANNEL, W.B. Some lessons in cardiovascular epidemiology from Framingham. *American Journal of Cardiology* 37(2): 269-282, February 1976.
- (134) KANNEL, W.B. Update on the role of cigarette smoking in coronary artery disease. *American Heart Journal* 101(3): 319-328, March 1981.
- (135) KANNEL, W.B., CASTELLI, W.P., McNAMARA, P.M. Cigarette smoking and risk of coronary heart disease. Epidemiologic clues to pathogenesis. The Framingham study. In: Wynder, E.L., Hoffmann, D. (Editors). *Toward A Less Harmful Cigarette*. A workshop held at the World Conference on Smoking and Health, September 11-13, 1967. National Cancer Institute Monograph 28, U.S. Department of Health, Education, and Welfare, Public Health Service, National Cancer Institute, June 1968, pp. 9-20.
- (136) KANNEL, W.B., CASTELLI, W.P., McNAMARA, P.M. Epidemiology of acute myocardial infarction. The Framingham study. *Medicine Today* 2: 56-71, August/September 1968.
- (137) KANNEL, W.B., DOYLE, J.T., McNAMARA, P.M., QUICKENTON, P., GORDON, T. Precursors of sudden coronary death: Factors related to the incidence of sudden death. *Circulation* 51(4): 606-613, April 1975.
- (138) KANNEL, W.B., McGEE, D.L., GORDON, T. A general cardiovascular risk profile: The Framingham study. *American Journal of Cardiology* 38(1): 46-51, July 1976.
- (139) KANNEL, W.B., THOMAS, H.E., Jr. Sudden coronary death: The Framingham study. *Annals of the New York Academy of Sciences* 382: 3-21, 1982.

- (140) KAUFMAN, D.W., HELMRICH, S.P., ROSENBERG, L., MIETTINEN, O.S., SHAPIRO, S. Nicotine and carbon monoxide content of cigarette smoke and the risk of myocardial infarction in young men. *New England Journal of Medicine* 308(8): 409-413, February 24, 1983.
- (141) KAVANAGH, T., SHEPHARD, R.J., CHISHOLM, A.W., QURESHI, S., KENNEDY, J. Prognostic indexes for patients with ischemic heart disease enrolled in an exercise-centered rehabilitation program. *American Journal of Cardiology* 44(7): 1230-1240, December 1979.
- (142) KEIL, J.E., TYROLER, H.A., SANDIFER, S.H., BOYLE, E., Jr. Hypertension: Effects of social class and racial admixture. The results of a cohort study in the black population of Charleston, South Carolina. *American Journal of Public Health* 67(7): 634-639, July 1977.
- (143) KEYS, A. Smoking habits. In: Keys, A. (Editor). *Seven Countries: A Multivariate Analysis of Death and Coronary Heart Disease*. Cambridge, Harvard University Press, 1980, pp. 136-160.
- (144) KEYS, A., TAYLOR, H.L., BLACKBURN, H., BROZEK, H., ANDERSON, J.T., SIMONSON, E. Coronary heart disease among Minnesota business and professional men followed fifteen years. *Circulation* 28(3): 381-395, September 1963.
- (145) KILLIP, T. Time, place, event of sudden death. *Circulation* 51 and 52(Supplement III): III-160-III-163, December 1975.
- (146) KLEINBAUM, D.G., KUPPER, L.L., CASSEL, J.C., TYROLER, H.A. Multivariate analysis of risk of coronary heart disease in Evans County, Georgia. *Archives of Internal Medicine* 128: 943-948, December 1971.
- (147) KLEINBAUM, D.G., KUPPER, L.L., MORGENSTERN, H. *Epidemiologic Research. Principles and Quantitative Methods*. Belmont, California, Lifetime Learning Publications, 1982, 529 pp.
- (148) KOZAREVIC, D., DEMIROVIC, J., GORDON, T., KAELEBER, C.T., MCGEE, D., ZUKEL, W.J. Drinking habits and coronary heart disease: The Yugoslavia cardiovascular disease study. *American Journal of Epidemiology* 116(5): 748-758, October 1982.
- (149) KOZAREVIC, D., VOJVODIC, N., GORDON, T., KAELEBER, C.T., MCGEE, D., ZUKEL, W.J. Drinking habits and death. The Yugoslavia cardiovascular disease study. *International Journal of Epidemiology* 12(2): 145-150, June 1983.
- (150) KRUEGER, D.E., ELLENBERG, S.S., BLOOM, S., CALKINS, B.M., JACYNA, R., NOLAN, D.C., PHILLIPS, R., RIOS, J.C., SOBIESKI, R., SHEKELLE, R.B., SPECTOR, K.M., STADEL, B.V., STOLLEY, P.D., TERRIS, M. Risk factors for fatal heart attack in young women. *American Journal of Epidemiology* 113(4): 357-370, April 1981.
- (151) KRUEGER, D.E., ELLENBERG, S.S., BLOOM, S., CALKINS, B.M., MALIZA, C., NOLAN, D.C., PHILLIPS, R., RIOS, J.C., ROSIN, I., SHEKELLE, R.B., SPECTOR, K.M., STADEL, B.V., STOLLEY, P.D., TERRIS, M. Fatal myocardial infarction and the role of oral contraceptives. *American Journal of Epidemiology* 111(6): 655-674, June 1980.
- (152) KULLER, L. Sudden death in arteriosclerotic heart disease. The case for preventive medicine. *American Journal of Cardiology* 24(5): 617-628, November 1969.
- (153) KULLER, L., COOPER, M., PERPER, J. Epidemiology of sudden death. *Archives of Internal Medicine* 129(5): 714-719, May 1972.
- (154) KULLER, L., LILIENFELD, A., FISHER, R. Epidemiological study of sudden and unexpected deaths due to arteriosclerotic heart disease. *Circulation* 34(6): 1056-1068, December 1966.

- (155) KULLER, L., MEILAHN, E., TOWNSEND, M., WEINBERG, G. Control of cigarette smoking from a medical perspective. *Annual Review of Public Health* 3: 153-178, 1982.
- (156) KULLER, L., PERPER, J., COOPER, M. Demographic characteristics and trends in arteriosclerotic heart disease mortality: Sudden death and myocardial infarction. *Circulation* 51 and 52(Supplement III): III-1—III-15, December 1975.
- (157) LAKE, J.L., HELPERN, M. Sudden unexpected death from natural causes in young adults. A review of 275 consecutive autopsied cases. *Archives of Pathology* 85(1): 10-17, January 1968.
- (158) LaPORTE, R.E., CRESANTA, J.L., KULLER, L.H. The relationship of alcohol consumption to atherosclerotic heart disease. *Preventive Medicine* 9(1): 22-40, January 1980.
- (159) LEVY, R.I., FEINLEIB, M. Risk factors for coronary artery disease and their management. In: Braunwald, E. (Editor). *Heart Disease: A Textbook of Cardiovascular Medicine*. Volume 2. Philadelphia, W.B. Saunders Company, 1980, pp. 1246-1278.
- (160) LIE, J.T., TITUS, J.L. Pathology of the myocardium and the conduction system in sudden coronary death. *Circulation* 51 and 52(Supplement III): III-41—III-52, December 1975.
- (161) LIU, K., CEDRES, L.B., STAMLER, J., DYER, A., STAMLER, R., NANAS, S., BERKSON, D.M., PAUL, O., LEPPER, M., LINDBERG, H.A., MARQUARDT, J., STEVENS, E., SCHOENBERGER, J.A., SHEKELLE, R.B., COLLETTE, P., SHEKELLE, S., GARSIDE, D. Relationship of education to major risk factors and death from coronary heart disease, cardiovascular diseases and all causes. Findings of three Chicago epidemiologic studies. *Circulation* 66(6): 1308-1314, December 1982.
- (162) LOWN, B. Cardiovascular collapse and sudden cardiac death. In: Braunwald, E. (Editor). *Heart Disease: A Textbook of Cardiovascular Medicine*. Volume 1. Philadelphia, W.B. Saunders Company, 1980, pp. 778-817.
- (163) LUCE, B.R., SCHWEITZER, S.O. The economic costs of smoking-induced illness. In: National Institute on Drug Abuse. *Research on Smoking Behavior*. NIDA Research Monograph Series 17, 1977, pp. 221-229.
- (164) LUCE, B.R., SCHWEITZER, S.O. Smoking and alcohol abuse: A comparison of their economic consequences. *New England Journal of Medicine* 298(10): 569-571, March 9, 1978.
- (165) LYON, J.L., WETZLER, H.P., GARDNER, J.W., KLAUBER, M.R., WILLIAMS, R.R. Cardiovascular mortality in Mormons and non-Mormons in Utah, 1969-1971. *American Journal of Epidemiology* 108(5): 357-366, November 1978.
- (166) McCULLY, K.S. Homocystine, atherosclerosis and thrombosis: Implications for oral contraceptive users. *American Journal of Clinical Nutrition* 28(5): 542-549, May 1975.
- (167) McEVOY, L., LAND, G. Life-style and death patterns of the Missouri RLDS church members. *American Journal of Public Health* 71(12): 1350-1357, December 1981.
- (168) McGEE, D., GORDON, T. The results of the Framingham study applied to four other U.S.-based epidemiologic studies of cardiovascular disease. Section 31. In: Kannel, W.B., Gordon, T. (Editors). *The Framingham Study. An Epidemiological Investigation of Cardiovascular Disease*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Heart and Lung Institute, DHEW Publication No. (NIH) 76-1083, April 1976.

- (169) MANN, J.I. Oral contraceptives and the cardiovascular risk. In: Oliver, M.F. (Editor) *Coronary Heart Disease in Young Women*. Edinburgh, Churchill Livingstone, 1978, pp. 184-196.
- (170) MANN, J.I., VESSEY, M.P., THOROGOOD, M., DOLL, R. Myocardial infarction in young women with special reference to oral contraceptive practice. *British Medical Journal* 2(5965): 241-245, May 3, 1975.
- (171) MANTHEY, J., STOEPLER, M., MORGENSTERN, W., NÜSSEL, E., OPPERK, D., WEINTRAUT, A., WESCH, H., KÜBLER, W. Magnesium and trace metals: Risk factors for coronary heart disease. Associations between blood levels and angiographic findings. *Circulation* 64(4): 722-729, October 1981.
- (172) MARGOLIS, J.R., KANNEL, W.B., FEINLEIB, M., DAWBER, T.R., McNAMARA, P.M. Clinical features of unrecognized myocardial infarction—Silent and symptomatic. Eighteen year follow-up: The Framingham study. *American Journal of Cardiology* 32(1): 1-7, July 1973.
- (173) MARMOT, M.G., ROSE, G., SHIPLEY, M.J., THOMAS, B.J. Alcohol and mortality: A U-shaped curve. *Lancet* 1(8220): 580-583, March 14, 1981.
- (174) MASERI, A. The changing face of angina pectoris: Practical implications. *Lancet* 1(8327): 746-749, April 2, 1983.
- (175) MASERI, A., SEVERI, S., De NES, M., L'ABBATE, A., CHERCHIA, S., MARZILLI, M., BALLESTRA, A.M., PARODI, O., BIAGINI, A., DISTANTE, A. 'Variant' angina: One aspect of the continuous spectrum of vasospastic myocardial ischemia. *American Journal of Cardiology* 42(6): 1019-1035, December 1978.
- (176) MEDALIE, J.H., KAHN, H.A., NEUFELD, H.N., RISS, E., GOLDBOURT, U. Five-year myocardial infarction incidence—II. Association of single variables to age and birthplace. *Journal of Chronic Diseases* 26(6): 329-349, June 1973.
- (177) MEDALIE, J.H., KAHN, H.A., NEUFELD, H.N., RISS, E., GOLDBOURT, U., PERLSTEIN, T., ORON, D. Myocardial infarction over a five-year period—I. Prevalence, incidence and mortality experience. *Journal of Chronic Diseases* 26(2): 63-84, February 1973.
- (178) MICHIGAN HEART ASSOCIATION. *RISKO*. Southfield, Michigan Heart Association, 1967.
- (179) MIETTINEN, O.S. Proportion of disease caused or prevented by a given exposure, trait or intervention. *American Journal of Epidemiology* 99(5): 323-332, May 1974.
- (180) MILLER, N.E. The evidence for the antiatherogenicity of high density lipoprotein in man. *Lipids* 13(12): 914-919, December 1978.
- (181) MORDKOFF, A.M., PARSONS, O.A. The coronary personality: A critique. *Psychosomatic Medicine* 29(1): 1-14, January-February 1977.
- (182) MORIYAMA, I.M., DAWBER, T.R., KANNEL, W.B. Evaluation of diagnostic information supporting medical certification of deaths from cardiovascular disease. In: Haenszel, W. (Editor). *Epidemiological Approaches to the Study of Cancer and Other Chronic Diseases*. National Cancer Institute Monograph No. 19. U.S. Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, January 1966, pp. 405-419.
- (183) MORIYAMA, I.M., KRUEGER, D.E., STAMLER, J. Accuracy and comparability of mortality statistics. *Cardiovascular Diseases in the United States*. Cambridge, Harvard University Press, 1971, pp. 22-48.
- (184) MORIYAMA, I.M., KRUEGER, D.E., STAMLER, J. Coronary heart disease. *Cardiovascular Diseases in the United States*. Cambridge, Harvard University Press, 1971, pp. 49-118.

- (185) MORRIS, J.N., KAGAN, A., PATTISON, D.C., GARDNER, M.J., RAFFLE, P.A.B. Incidence and prediction of ischemic heart disease in London busmen. *Lancet* 2(7463): 553-559, September 10, 1966.
- (186) MORRIS, J.N., MARR, J.W., CLAYTON, D.G. Diet and heart: A postscript. *British Medical Journal* 2(6098): 1307-1314, November 19, 1977.
- (187) MUSTARD, J.F., PACKHAM, M.A. Thrombosis and the development of atherosclerosis. Paper presented at the meeting of the American Association of Pathologists and Bacteriologists, Montreal, Canada, 1971. In: Wissler, R.W., Geer, J.C. (Editors). *The Pathogenesis of Atherosclerosis*. Baltimore, The Williams & Wilkins Company, 1972, pp. 214-226.
- (188) MYRHED, M., FLODERUS, B. Alcohol consumption in relation to factors associated with ischemic heart disease. A Cotwin control study. *Acta Geneticae Medicae et Gemellologiae* 25: 129-132, 1976.
- (189) NATIONAL INSTITUTES OF HEALTH. *Smoking and Health: A Program to Reduce the Risk of Disease in Smokers*. Status report. U.S. Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, National Heart, Lung, and Blood Institute, December 1977, 128 pp.
- (190) NATIONAL CENTER FOR HEALTH STATISTICS. Blood pressure of adults by age and sex, United States, 1960-1962. Blood pressure measurements and distributions and mean levels by age and sex. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 4, June 1964, 40 pp.
- (191) NATIONAL CENTER FOR HEALTH STATISTICS. Blood pressure of adults by race and area, United States, 1960-1962. Mean blood pressure by race and area. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 5, July 1964, 20 pp.
- (192) NATIONAL CENTER FOR HEALTH STATISTICS. Heart disease in adults, United States, 1960-1962. A description of the examination and diagnostic procedures with major findings by age, sex, and race. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 6, September 1964, 43 pp.
- (193) NATIONAL CENTER FOR HEALTH STATISTICS. Weight, height, and selected body dimensions of adults, United States, 1960-1962. Age and sex distributions for weight, height, erect sitting height, normal sitting height, knee height, popliteal height, elbow rest height, thigh clearance height, buttock-knee length, buttock-popliteal length, elbow-to-elbow breadth, and seat breadth. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 8, June 1965, 44 pp.

- (194) NATIONAL CENTER FOR HEALTH STATISTICS. Hypertension and hypertensive heart disease in adults, United States, 1960-1962. A discussion of the criteria used for the diagnosis of hypertension and hypertensive heart disease, with data on the prevalence of hypertension and hypertensive heart disease by age, sex, and race, and an analysis of differentials by place, family income, education, marital status, usual activity, occupation, and industry. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 13, May 1966, 62 pp.
- (195) NATIONAL CENTER FOR HEALTH STATISTICS. Serum cholesterol levels of adults, United States, 1960-1962. Serum cholesterol levels by age, sex, race, region, and income. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 22, March 1967, 23 pp.
- (196) NATIONAL CENTER FOR HEALTH STATISTICS. Blood pressure as it relates to physique, blood glucose, and serum cholesterol, United States, 1960-1962. A tabular presentation of the data and a multiple regression analysis of blood pressure on five somatic measurements and their derivatives, and on blood glucose and serum cholesterol by age, sex, and race. Data from the National Health Survey. *Vital and Health Statistics*. U.S. Department of Health, Education, and Welfare, Public Health Service, Health Services and Mental Health Administration, National Center for Health Statistics, Division of Health Examination Statistics, Public Health Service Publication No. 1000, Series 11, Number 34, October 1969, 29 pp.
- (197) NATIONAL CENTER FOR HEALTH STATISTICS. *Monthly Vital Statistics Report. Advance Report, Final Mortality Statistics, 1977*. U.S. Department of Health, Education, and Welfare, Public Health Service, Office of Health Research, Statistics, and Technology, National Center for Health Statistics, DHEW Publication No. (PHS)79-1120, Volume 28, No. 1, Supplement, May 11, 1979, 35 pp.
- (198) NATIONAL CENTER FOR HEALTH STATISTICS. Utilization of short-stay hospitals: Annual summary for the United States, 1980. *Vital and Health Statistics*. U.S. Department of Health and Human Services, Public Health Service, Office of Health Research, Statistics, and Technology, National Center for Health Statistics, DHHS Publication No. (PHS)82-1725, Series 13, No. 64, March 1982, 62 pp.
- (199) NATVIG, H., BORCHGREVINK, C.F., DEDICHEN, J., OWREN, P.A., SCHIOTZ, E.H., WESTLUND, K. A controlled trial of the effect of linolenic acid on incidence of coronary heart disease. The Norwegian vegetable oil experiment of 1965-66. *Scandinavian Journal of Clinical and Laboratory Investigation* 22(Supplement 105): 1-20, 1968.
- (200) NEWMAN, W.P., III, TRACY, R.E., STRONG, J.P., JOHNSON, W.D., OALMANN, M.C. Pathology of sudden coronary death. *Annals of the New York Academy of Sciences* 382: 39-49, 1982.
- (201) NITTER-HAUGE, S., ERIKSEN, J., THAULOW, E., VATNE, K. Angiographic and risk factor characteristics of subjects with early onset ischaemic heart disease. *British Heart Journal* 46(3): 325-330, September 1981.
- (202) OLIVA, P.B. Coronary arterial spasm and vasomotion (Part 2). Current concepts regarding their role in ischemic heart disease. *Chest* 82(1): 105-110, July 1982.