

survey. The length of exposure did not exceed one year. The study included 4,380 men (Table 5). Men with low to moderate degrees of exposure were grouped together. The mortality of all severely exposed workers is shown in the last column. The observed num-

ber of deaths is lower than the expected number. This is not an uncommon finding at the beginning of an epidemiological study (Doll and Hill, 1954; Selikoff, Hammond and Churg, 1964). Many of these workers had

included in the study. The difference between the observed and expected number of deaths has tended to disappear. Table 6 shows the mortality experienced by men with less than 2 years' service in the factory.

TABLE 6: STUDY 2
MORTALITY FROM BEGINNING OF 5TH TO END OF 16TH YEAR
UNDER 2 YEARS ON PAYROLL

Cause of Death	Exposure			
	Low-Moderate		Severe	
	Observed	Expected	Observed	Expected
All Causes	38	38.3	28	32.2
Cancer of Lung and Pleura	0	4.0	3	5.0
Other Cancers	8	4.1	4	1.4
Respiratory Disease Excluding Cancer	10	6.1	1	5.7
Other Diseases	20	24.1	20	20.1

ber of deaths is lower than the expected number. This is not an uncommon finding at the beginning of an epidemiological study (Doll and Hill, 1954; Selikoff, Hammond and Churg, 1964). Many of these workers had

There is no statistically significant excess of deaths.

Study 3. The follow up period was from the beginning of the 17th year to the end of the survey 15 years later. This group of

TABLE 7: STUDY 2
MORTALITY FROM THE BEGINNING OF 5TH TO END OF 16TH YEAR
OVER 2 YEARS ON PAYROLL

Cause of Death	Exposure			
	Low-Moderate		Severe	
	Observed	Expected	Observed	Expected
All Causes	19	29.9	36	37.4
Cancer of Lung and Pleura	4	2.4	5	3.1
Other Cancers	1	4.3	9	5.4
Respiratory Diseases Excluding Cancer	2	4.8	4	8.8
Other Diseases	12	18.4	18	20.1

had a pre-employment medical examination and those with severe health disabilities were excluded from the industrial population.

Study 2. The length of follow up was from 5 to 16 years. The men were categorized by their experience during the first 5 years in the survey. There were over 3,000 men

workers was first employed in the factory between 1933 and 1948.

There were 464 men with low to moderate exposure and 696 with severe exposure. Among men with less than 2 years' employment there is no excess mortality among the men in jobs with low to moderate exposure,