

Of the 64 persons given physical examination and diagnosed as having positive asbestosis, only 8 were entirely free from symptoms, while 10 out of 37 with doubtful and 7 out of 20 with negative diagnoses were free from symptoms. Dyspnoea and cough were the symptoms most complained of, but none of these cases exhibited the urgent or evident type of "short wind" seen in true silicosis. Several of those classed as negative stated that they were "short winded" and were so recorded, but too much emphasis should not be placed on statements of subjective symptoms. During the progress of the study, physicians who were practicing in the communities where asbestos workers lived were questioned and stated that they did not find an unusual amount of tuberculosis among these workers. The contrast between this state of affairs and that found in a community with a silicosis hazard is noteworthy.

The incidence of tuberculosis (based upon X-ray films) is given in table 3; 40 of the 67 examined had less than 15 years of employment in the industry.

TABLE 3.—Incidence of tuberculosis

	Positive	Doubtful	Negative
Tuberculosis (healed).....	7	1	2
Tuberculosis (active).....	1	0	1
Total examined.....	67	39	20

¹ This case was diagnosed as probably active on the X-ray findings.

Table 4 gives information as to physical signs of chest trouble.

TABLE 4.—Chest findings

	Positive	Doubtful	Negative
Physical signs of chest trouble.....	33	10	7
No physical signs.....	31	28	13
Not examined.....	3	2	0
Total.....	67	39	20

¹ At least 6 of these showed no evidence associated with asbestosis.

² 2 of these not associated with usual signs found with asbestosis.

³ 6 of these not associated with usual signs of asbestosis.

What significance, if any, can be attached to the presence of "asbestos corns" on the hands of workers appears doubtful, as 18 percent of the positives (12 out of 64) and 15 percent of the others (doubtful, 7 out of 37, negative, 2 out of 20) showed such corns.

Each roentgenologist who reviewed the X-ray films called attention to the fact that these films indicated a very unusual incidence of enlargement of the heart. It is probable that this is a compensatory enlargement due to the additional work put upon the heart in efforts

to pump blood through the fibro sufficient attention has been paid upon the heart.

Many workers had changed from one plant to another during asbestos industry. Since only the time of this survey in the various way of knowing the average inhaled by these people over the years, it is not possible to correlate amounts of dust exposure.

INSURANCE

To throw light on the relations of nary tuberculosis, an analysis of permanent disability claims was made group insurance and having available.

There were 2,099 lives involved in years. The death claims are so conclusions cannot be reached from a same is true of the sickness claims number of claims for respiratory disease studied but low for the others, a experience of 1927. However, during the first part of 1929 there was an epidemic.

The records of one establishment death claims and 8 of 10 permanent listed as due to pulmonary tuberculosis ordinate amount of tuberculosis for the employees were Negroes, and ally high in this section of the country diagnosing pneumoconiosis and tuberculosis, these claims were studied who had treated the individuals and sanatorium records, including investigated, with the following results:

Death claims:

1. A typist, not exposed to intestinal tuberculosis.

2. Colored male, age 27; 10 months; died of pulmonary tuberculosis was in sanatorium 10 months. No evidence of asbestosis.

3. Colored male, age 32; 7 months; died of pulmonary tuberculosis hospital. Cavitation both lungs.