

under 5 years of age in the pneumonia group. This might readily be expected if we consider as the explanation of the influence of smoke on pneumonia the irritative changes which go on in the mucous membrane of the upper air passages as the underlying factor in this relation, and that these changes would probably take years in their production, or, as Dr. Haythorn has shown, the pneumonia difficulty may be largely one of absorption of exudate, which anthracosis by plugging the lymph spaces largely impedes.

In general, the tuberculosis age-groups are rather uniform in their relation to each other when one comes to the study of individual influences; probably nothing is more striking than the difference between the curve for the total death-rate of the white population as opposed to the coloured. This is most strikingly seen in such southern cities as Memphis, Mobile, New Orleans, and Richmond. There is a striking difference, also, in San Francisco and Los Angeles in the total death-rate from tuberculosis, due, likely, to importation from the middle-west and northern parts of the country.

When one studies individual cities, one finds, as in Pittsburgh, St. Louis, Cincinnati, Chicago, New Orleans, Richmond, &c., a noticeable similarity between the total pneumonia death-rate and the total number of smoky days. This is almost entirely absent in comparing the tuberculosis yearly death-rate, which has persistently dropped in most of the individual cities, save the southern ones, in which there have been curious rises. It is not our intention to enter into explanation of this feature in this paper.

We are at a loss to explain the high mortality rate from tuberculosis in Cincinnati, which seems to be out of its place in the general contour of this chart.

In Boston, in addition to the fact that we believe it out of place from the number of smoky days from a manufacturing standpoint, Dr. Fulton had suggested in his criticism of our former paper that the high pneumonia death-rate in Boston was probably due to the large num-