an English time-table giving statistics in districts apart from London, I quote as follows:

(1) W	here the popu	lation to one s	quare mil	e was 166 the	death rate	waa 16 75
(-)				379	44 CONCENTRATE	21.88
(3)	"	"	"	4,449	••	28.03
(3)		"	66	65,823	" "	38.62
From a Glasgow table I take the following:						
Death rate in 100,000, living in 1 or 2 rooms 3 and 4 rooms 4 and 5						
246 114						
Acute lung disease includ- ing Consumption 985 689 308						
N	ing Consur	nption 9	85	689	308	i
INC	ervous and	diseases of				

nutrition in children .. 480 285 91

The chemical and physical exciting causes of disease I will not refer to, for they do not concern us quite so directly in the consideration of prevention. That other division of exciting causes, namely the vital causes, I will consider a little more fully. Our attention should be directed, first, to the particular micro-organism which caused the disease, the most common channel of entrance into the human body, the means by which it can be prevented, or the means by which the individual may gain an immunity against it. We must, also, consider if that immunity is a real protection, and also if it is at all lasting. Some of the articles written of late on this subject, would lead us to believe that the pendulum has been swinging too far, in attributing so large a portion to the bacterial causation of disease, and in the value of inoculation against it.

It would be well to remember that many of the bacteria are our friends rather than our enemies. By their influence CO_2 is produced for the growth of plants. They are therefore necessary for agriculture.

We are also indebted to them for the production of many of the organic acids. But what concerns us most is the rôle many of them play in the production of disease. Diseases which depend for their existence on the presence of bacteria in the tissue are known as infectious diseases.

In general use, infectious and contagious are synonymous, although correctly speaking, a contagious disease is one transmitted from one individual to another by direct contact, while the term infectious is broader. Here the morbific agent gains access to the body in some more roundabout way, through such means as water, food or soil. It will almost be necessary therefore that there should be in this latter case a predisposing Typhoid fever, therefore, would be an infectious, non-contagious cause. Erysipelas, tuberculosis, and pneumonia, usually non-contagious, disease. might be contagious. Smallpox, measles, and scarlet fever, are notably contagious. Successful prophylaxis, therefore, against any particular disease would necessitate a knowledge of the morbific agent causing the disease, its means of dissemination and the disinfectant to which it is especially susceptible. For example, in typhoid, the milk and water supplies should be thoroughly guarded, sick room infection should be carefully prevented. For example, the thorough and separate disinfection of the bed linen, towels or napkins, or any garments coming into contact with the patient. An exclusive set of eating utensils should be

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