

Professor Glover goes on to show that any country with a death rate from tuberculosis of 140 per 100,000 of the population could profitably spend \$10 per head, if thereby the disease could be eradicated.

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### FEVER.

The term fever is used to indicate a rise of temperature above the normal, or the condition of "fever" as a disease. To this may be joined some qualifying word. The subject is very fully discussed by Dr. E. C. Hart in the *Medical Press* of recent date.

Fever is a unusual accompaniment of infections, though in some cases the toxæmia may be so great that the temperature may not be above normal, or even below normal. Some writers use the term fever for diseases caused by infections, and then speak of fever with or without pyrexia.

There may be degrees of fever of a temporary character due to exertion, nervous excitement, convulsions, baths, reaction from injuries, the passage of calculi, injuries to certain portions of the nervous system, and there may be some rise of temperature after the injection into the veins of a saline or salvarsan, or the administration of an anaesthetic.

There is a large group of diseases due to bacteria or protozoa, in which fever is a common symptom. It may be difficult in some cases to determine the real nature of the disease, but in all cases of continued fever it is necessary to search for the real infection, and not to fall back too readily on some of the other explanations for the presence of the fever. Excreta and discharges must be examined carefully for the active infection.

The cause of the elevation of temperature is not easily explained. Some think it is due to some substance set free from the dead germs. Others that it is caused by an action of the germs on nerve cells. Some have held that it is the result of some product set free from the cells of the body reacting to the infection.

Experiments go to show that dead germs if free from every form of contamination may be injected into the animal body without causing fever. It appears from this that when a vaccine is used and fever results, this is caused by the media the bacteria were cultivated in. If this media be of no value in the vaccine, a dose of dead bacteria freed from this contamination would cause no fever. If this reaction is of no therapeutic value, then it may be possible to spare the patient a very unpleasant after-effect of these infections.

The condition known as fever is treated by sponging, baths, the