

961, and the Kilmarnock 988 of prevaccination times. Vaccination, by lessening the opportunities for infection, and increasing the intervals between epidemics, has helped even the unvaccinated. Yet among the unvaccinated in London, Leicester, Dewsbury, and Gloucester, small-pox is still to a great extent a disease of childhood.

In prevaccination times, small-pox, measles and whooping cough were diseases of childhood. Measles and whooping cough are still diseases of childhood, but small-pox, and especially fatal small-pox, has been to a very remarkable extent driven from vaccinated childhood by means of vaccination. In the same way, what still remains of it can be driven from later periods of life by means of revaccination.

The manner in which small-pox differentiates between the vaccinated and unvaccinated is seen in the incidence of the disease in towns where it has recently prevailed. In Gloucester, for example, there had been extreme neglect of infantile vaccination, and the disease attacked a school and spread there, the scholars being children. In Leicester the infection was accidentally introduced into the scarlet fever hospital and the children being unvaccinated the disease began to spread there. The hospital was then emptied of scarlet fever and no more cases were admitted, and in the town of Leicester scarlet fever cases increased to thousands. In Warrington on the other hand, infantile vaccination had been well carried out, but there was a want of adult revaccination and the disease fastened on the workmen in a large ironworks. Then the workmen's committee in charge of the sick fund resolved "that any member who remains unrevaccinated after Monday, November 2nd, 1892, shall not be entitled to any sick benefit should he be afflicted with small-pox;" and in consequence over 1,400 men were revaccinated by the works' doctor, and many others privately. The result was that after the middle of December there were only 12 cases among the employees, and the health officer of Warrington reported that these were among men who had refused revaccination or joined the works subsequently.

The following table teaches a lesson that cannot easily be misread.

Percentage of total small-pox deaths borne by children under 10 years of age in recent outbreaks.

	Vaccination Default in antecedent years.	Percentage of total small-pox deaths borne by children under 10 years of age.
Warrington	..... Very slight.....	22.5
Sheffield	..... Very slight.....	25.6
London	..... In 1883-91, 10 per cent.	36.8
Dewsbury	..... In 1882-92, 32.3 per cent.	51.8
Gloucester	..... In 1885-94, 10.6 to 85.1 per cent.	64.5
Leicester	..... In 1883-92, 43.8 to 80.1 per cent.	71.4*

*Or 66.6. The difference depends on the exclusion or inclusion of three deaths which occurred owing to the attack of several children in a scarlet fever ward through proximity to the small-pox hospital.