

## Revolutions in public health: 1848, and 1998?

Christopher Hamlin, Sally Sheard

This autumn marks the 150th anniversary of the Public Health Act for England and Wales, the beginning of a commitment to proactive, rather than a reactive, public health. The act began a series of legislative measures extending through the Victorian era and into this century in which the state became guarantor of standards of health and environmental quality and provided means for local units of government to make the structural changes to meet those standards.

That public action can substantially improve the health of the general population were seven obvious, and it also seven obvious that public authorities owe their citizens that improvement. Both were controversial in the 1830s and 1840s. For centuries European governments had reacted to epidemics with decrees. With medical boards to advise them, they set their military forces to protecting borders and ports, white-washed towns, banished dwellings, and burnt bedding. The threat of seasonal disease prompted these reactions, and they were relaxed when the epidemics passed.<sup>1</sup> Seasonal disease—infant mortality of more than 50% in inner city wards, and infant mortality of over 300/1000 in some towns—prompted no such reactions.

Unless we are familiar with some of the cities of the developing world, most of us are probably unable to fathom the enormity of the unplanned urbanization of the 19th century: roughly 3 million people (slightly over 50%) were urban in 1801 in England and Wales, compared with 28.5 million (almost 80%) in 1901. Growth rates in some textile boom towns, like Bradford from 1811 to 1831, exceeded 60% per decade; this despite the fact that towns were acting as a sink for human life. In Liverpool average life expectancy by class ranged from 15 years for the unemployed or poor to 25 years for the well to do.<sup>2-4</sup>

Yet that growth was accompanied, if belatedly, by an urban sanitary revolution. Many of us are its beneficiaries. To facilitate the building of sanitary systems, especially water supplies and sewerage, was the main purpose of the 1848 act, but it also established local and central units of government that would take responsibility for health, at least for those aspects affected by the built environment. It represented a commitment to the long term, to be made not by sanitation huffins in Whitehall but by more or less ordinary (though usually upper middle class) townsmen who were suddenly to be given powers to obtain 50 year mortgages for those networks of pipes.

### Summary points

150 years ago the Public Health Act for England and Wales marked the start of a commitment to proactive, rather than a reactive, public health in which the state became guarantor of standards of health and environmental quality and provided means for local government to meet those standards

The driving force behind the act, Edwin Chadwick, began inquiries into public health as a means of reducing the costs of public relief

The act that finally emerged was a stripped down version of the original proposal and concentrated on provision of a constant water supply and efficient removal of sewage

Although riddled with compromise one is more struck by the practical wisdom and revolutionary implications of the legislation

The recent green paper on public health, *Our Healthy Nation*, reflects the heritage of this legislation in seeing health improvement as a process involving central government, local communities, and individuals

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Richard Smith, Professor  
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### Acknowledging a need for public health: the great sanitary inquiries

Among the hardest of a historian's jobs is to understand how people move from hope for a different future to practical actions that secure it. In public health, fear had a large part. Serious did analysis and perseverance.

Edwin Chadwick was the widely hated architect and enforcer of the new poor law of 1834. Its principle was to make the conditions under which public relief could be given so unpleasant that most would refuse to request it.<sup>5</sup> Even under pressure to cut costs, Chadwick began to focus on the causes of indigence: prevention was cheaper than relief. By 1838 he was looking mainly at one cause: acute infectious diseases that were fatal to male breadwinners, leaving families dependent on relief. These diseases, Chadwick insisted, had physical causes in poor urban drainage, which left towns

# Millenium Report To Sir Edwin Chadwick

**David Kirk**



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