Teaching Pack



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Introduction

Pandemics, Society, and Public Health, 1517–1925, contains over 79,000 document images sourced from four leading UK archives: The National Archives, British Library, University College London, and The London Archives. The collection concentrates on four diseases that have left a significant mark upon British history: plague, cholera, smallpox, and influenza. It explores a variety of themes and topics, such as government attempts to reduce the spread of diseases via the imposition of quarantines. It also contains records on the development and roll-out of the smallpox vaccine across Britain, and methods used by the public to boost morale and to cure the diseases.

The primary sources included within this teaching pack represent a tiny sample of the material in the collection. What follows focuses on the social implications of pandemics, such as debates surrounding the efficacy and morality of vaccination; access to state healthcare; perceptions of the supposed link between race and disease; and the shortage of medical staff that arose in the midst of the influenza outbreak during the First World War.

The activities contained within this teaching pack could easily take **around one hour**, though the exact duration will depend on reading time and the breadth and depth of accompanying discussion.

Learning Objectives

1. Investigate the arguments for and against vaccination.

2. Evaluate the impact of social and economic status on access to state healthcare.

3. Analyse how historical fears of pandemic diseases, such as cholera and influenza, have contributed to xenophobic attitudes and discriminatory practices.

4. Understand the roles and responsibilities of national and local government in managing public health crises in times of war.



Historical Background and Context

Between the sixteenth and early twentieth centuries, the population of the British Isles experienced several devastating public health crises due to plague, smallpox, cholera, and influenza, each of which had profound social and economic consequences. Each pandemic likewise brought about notable developments in terms of the physical infrastructure of the British state.

Plague, a disease caused by bacteria transmitted through infected fleas, had a long history across Europe. Between 1665 and 1666, London was struck with its most severe outbreak of plague. It resulted in the death of more than 15% of the city's population. Often considered a biological relic of the distant past, the last outbreak of plague occurred in Britain in 1720, far more recently than people assume.

Smallpox, caused by the variola virus, was one of the deadliest diseases in human history. It was a leading cause of death in eighteenth century Europe, particularly among young children. In the late eighteenth century, the physician, Edward Jenner, developed a smallpox vaccine that utilised cowpox for the purposes of inoculation he realised that people who had contracted cowpox seemed immune to smallpox. The introduction of the vaccine marked the beginning of the disease's decline, ultimately leading to its global eradication.

Cholera is an infection of the intestine with Vibrio cholerae bacteria. It spreads through contaminated water and food, leading to severe diarrhoea and dehydration. Cholera, originally endemic to the Indian subcontinent, spread to Europe through increased global trade. It caused significant mortality in the United Kingdom and Ireland during the nineteenth century. Britain experienced its first major epidemic in 1832 and a further outbreak occurred in the late 1840s. These major outbreaks prompted the discovery of the connection between contaminated water and the disease, leading to crucial improvements in sanitation and public infrastructure across Britain.



The influenza pandemic of 1918–1920, caused by the H1N1 influenza A virus, dramatically changed the perception of influenza from a seasonal illness to a deadly global threat. Unlike plague, cholera, and smallpox, influenza was not regarded as a "notifiable disease" until the early twentieth century. It was considered to be a seasonal infection due to its common symptoms, such as high fever, cough, sore throat, and fatigue. This pandemic occurred in three waves, with the second being the deadliest, as it affected young, healthy adults. During this pandemic, an estimated 33% of the world's population was infected with influenza and at least 50 million people died.



SOURCE ONE—SMALLPOX

Source Intro

Edward Jenner, an English physician, is widely recognised as the pioneer of the smallpox vaccine. Jenner noticed that milkmaids who had contracted cowpox seemed to be immune to smallpox. In 1796, he tested his hypothesis by inoculating an eight-year-old boy named James Phipps with material taken from a cowpox sore on a milkmaid's hand. Months later, when Jenner exposed James to smallpox, he did not contract the disease. Jenner coined the term "vaccine" from the Latin word "*vacca*", meaning cow, in reference to the cowpox virus. His revolutionary work laid the foundation for the field of immunology and led to the eventual global eradication of smallpox in 1980.

Yet the theory and practice of vaccination has generated significant opposition. When the British state rolled-out the smallpox vaccine, anti-vaccination groups emerged. Many people doubted the safety and effectiveness of the vaccine; others opposed it on religious grounds. The following sources are letters that were published in a periodical called *The Anti-Vaccinator*. The first letter, titled "Vaccination Viewed Politically", was written by Professor F. W. Newman and was published on 25 September 1869. The second letter, titled "A Woman's Protest against the Proposed Extension of the Contagious Diseases Act", was written by Mary C. Hume-Rothery and was published on 16 October 1869.

Source

Letters to *The Anti-Vaccinator*, 1869. British Library, 7307.aa.5.(2.), <u>images 2–4 and images 9–10</u>.

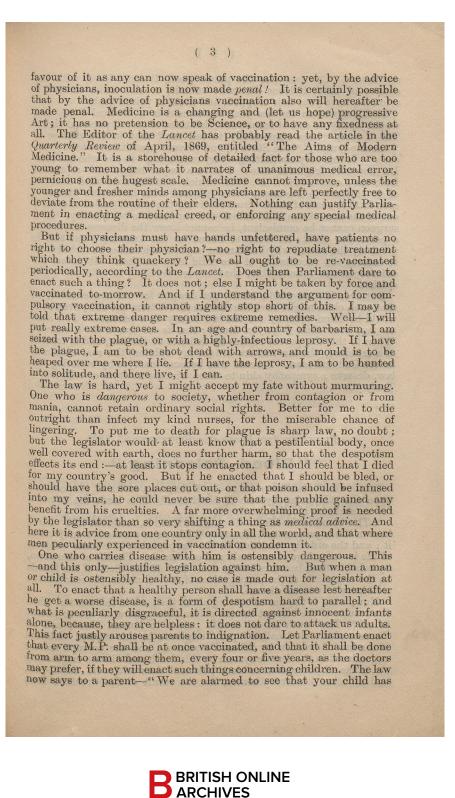


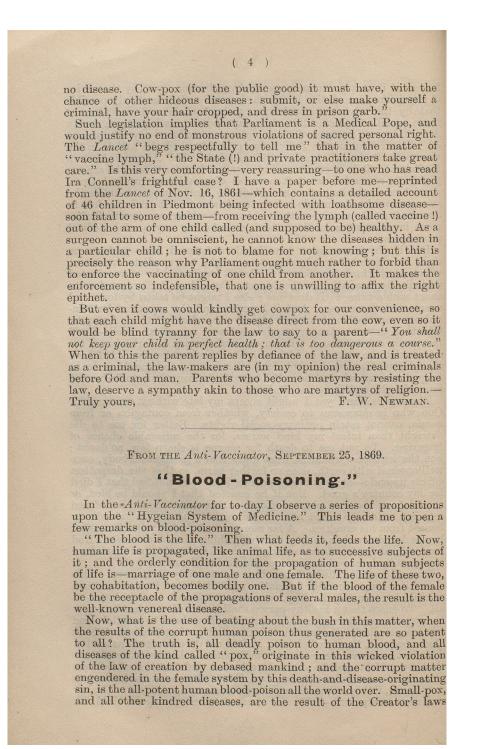
First Extract:

(2)
will vaccination be proved to propagate syphilis and other diseases But I maintain, Sir, supposing that vaccination does all that Jenner ever claimed for it, that is, renders the patient operated upon proo against small-pox, it follows that if my neighbour vaccinate his child ren, they cannot take small-pox from mine; and hence, I submit, no rational man can argue that the State has a right to compel me, as a father, to jeopardise the health and lives of my children in the name of the public weal.—I am, Sir, your obedient servant, JOHN LEWIS.
Spedan Tower, West Heath, Hampstead, N.W., Jan. 2.
etc. unore moral christers ARE 6000
FROM THE Anti-Vaccinator, SEPTEMBER 25, 1869.
"Vaccination Viewed Politically."
LETTER FROM PROFESSOR NEWMAN.
DEAR MR. PITMAN, —You call my attention to an article in th Lancet, commenting on a private letter of mine to you, which yo have thought fit to publish. You kindly desire to print some repl from me. I really think I may claim that you or other anti-vaccina tors will make the reply, which is not at all difficult. I have no tast for detailed controversy, especially with an anonymous opponent, an with a medical man on a medical topic. But I regard the politics side of the question as the primary. It is not developed in that lette —which I never intended for the public; but I will now enter upon somewhat more fully. It does not rest with Parliament to enact how a disease shall h treated. If a Bill were proposed to enforce that everyone who seized with apoplexy shall be bled, the Lancet would probably h foremost in outery. I should expect it to propound that Parliament is no authority in medicine; that to protect us from dangerous treat mere tests of knowledge, but it must not dictate to those who hav displayed their knowledge by gaining the degree. Nor is it to the purpose to say that Parliament took advice physicians before it legislated. Some 30 or 40 years ago, which approval of their conduct by the orthodox medical faculty was universal and so vehement, that Parliament might easily have g medical warrant to enforce bleeding. Nay, 100 years ago, physicia were zealous for inoculation. My father was with difficulty savi from it by the sturdy refusal of his mother, who said (as she told m —"If God send smallpox on my child, I must bear it; but never w I consent to give it to him on purpose: how can anyone know wh would come of it?"

At that time Parliament might have been advised by educated and learned physicians to make inoculation *compulsory*; and I make no doubt those physicians spoke as dogmatically to my grandmother in

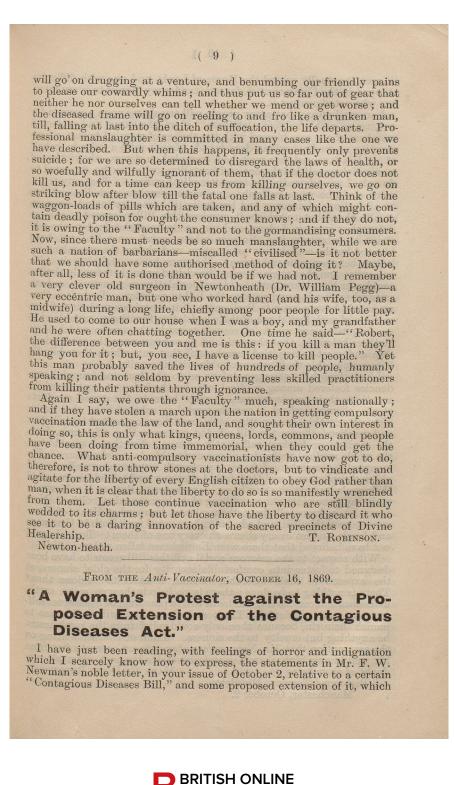




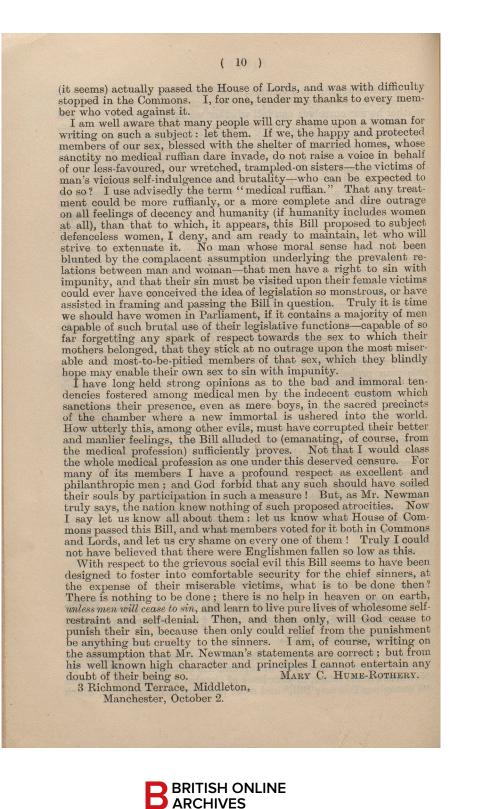




Second Extract:



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Questions for Discussion

1. What are the main arguments expressed in the extracts?

2. The first source raises concerns about the role of parliament in medical decisions. What insights can we gain about how people in the later nineteenth century viewed the authority and power of the British state, particularly in relation to public health mandates?

3. How do the opinions expressed in the extracts compare to modern day debates surrounding vaccination?



SOURCE TWO-PLAGUE

Source Intro

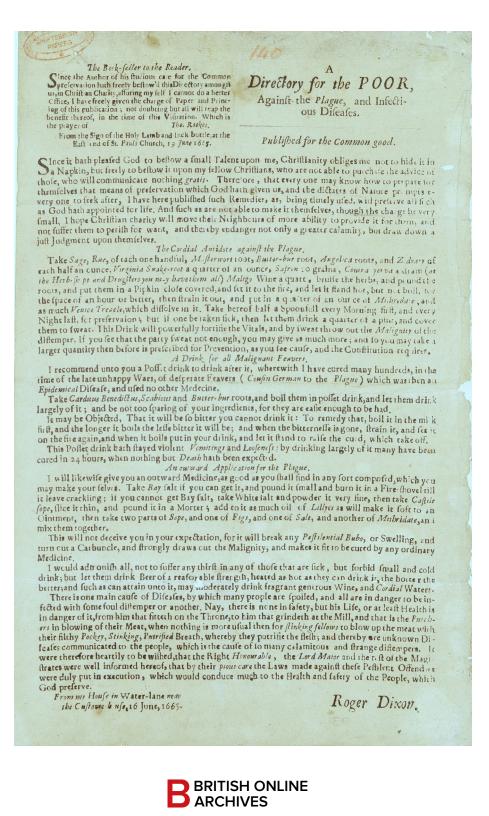
A Directory for the Poor Against the Plague and Infectious Diseases was written by Rodger Dixon and published on 16 June 1665, at the start of what is known as "The Great Plague of London". The broadsheet is a public health guide aimed at assisting the poor in protecting themselves against plague. It opens with a preface, highlighting the author's Christian duty to share this advice for the "common good".

Source

"A Directory for the Poor Against the Plague and Infectious Diseases", 1665.

The National Archives, PRO 30/24/4/140, image 1.





Questions for Discussion

- 1. How does Dixon integrate Christianity into his medical advice? What specific actions does he suggest that reflect religious beliefs of the time?
- 2. Evaluate the effectiveness of the language used in this document as a public health communication tool. How might it have influenced the behaviour of its intended audience? Consider the document's accessibility.
- 3. How do the experiences and challenges faced by the poor during the 1665 plague compare to those faced by economically disadvantaged communities during the recent COVID-19 pandemic? Consider factors such as access to healthcare, public health measures, morality, and the role of the state.



SOURCE THREE—CHOLERA

Source Intro

The first cholera pandemic began in Bengal and spread across India between 1817 and 1824. It caused the death of hundreds of thousands of Indians and many British troops. This outbreak spread as far as China, Japan, Indonesia, Sri Lanka, and Thailand. Due to the expansion of trade routes, the second outbreak, which began in 1826, reached Great Britain, Europe, and the Americas.

Despite key developments in British understandings of sanitation, hygiene, and disease transmission, cholera was frequently referred to as "Asiatic Cholera" or "the Indian Cholera". Often, many blamed the subcontinent for the onset of the disease. The extract below is drawn from correspondence between the sanitary reformer, John Sunderland, and the famous nurse, Florence Nightingale, which they engaged in between 1865–1867. The first extract, written by Nightingale, stresses the critical importance of addressing sanitary conditions in India.

Source

"Correspondence between John Sunderland and Florence Nightingale", 1865–1867.

British Library, MS 45752 (Vol. XIV), images 10–13.



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Pandemics, Society, and Public Health, 1517–1925

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Questions for Discussion

- 1. What does this extract reveal about the priorities of the British colonial administration in India in relation to public health and sanitation?
- 2. How does this extract reflect Victorian notions of "cleanliness"? Consider the tone and language used in the document.
- 3. Discuss how the perception of certain regions or populations as "hotbeds of epidemics" can contribute to xenophobic attitudes and discriminatory practices.



SOURCE FOUR-INFLUENZA

Source Intro

Occurring against the backdrop of the latter stages and aftermath of the First World War, the influenza pandemic of 1918–1920 is believed to have killed an estimated 50 million people, in comparison to the estimated 16 million that died as a result of the Great War.

Due to the ongoing conflict, "flu" quickly became a global disaster. The movement of troops across continents, crowded military camps, and poor living conditions in the trenches created an environment ripe for the transmission of the disease. The high death toll and widespread illness overwhelmed healthcare systems.

Below are four letters penned in 1918 and sent to the Ministry of National Service, the Local Government Board, and the Medical Department of the War Office.

The first letter was written by the Urban District Council of Ardsley on 7 November 1918. The second is a follow-up letter, written on 16 December 1918. The third letter was written by the Northumberland Miners' Mutual Confidence Association on 6 November 1918. This letter addresses issues in the Haltwhistle district. The fourth letter, written on 16 November 1918, is from the Public Health and Housing Department. The letter addresses issues in Birmingham.

Source

"Ministry of National Service Suggestions to Demobilise General Practitioners Serving in the Forces", 1918.

The National Archives, NATS 1/849, images 57–58, 20–21, 54, 45.



Letter One:

A.
TELEPHONE 25.
• O Arbun District Council of Ardsley, East & West.
My 2279 3h J. Queen Street.
AC/WJR/IH. In 4 4/11/12 Morley. No Leeds.
AEOEIPT FIOL
EDWIN H. MIDD EBROOK, SOLICITOR & SLEEK.
Sir, Release of Medical Practitioner from the Army.
I to-day wired you as follows:-
"Have been instructed to press strongly for the "immediate release of Dr. Ewing now at scarborough. He is "Medical Officer of Health of Ardsley East and West Urban "District. Only one doctor in the district to deal with "medical work and serious epidemic of Influenza. Letter "following."
I am instructed by my Council to make strong and urgent
representations to you for the immediate release from the Colours
for civilian practice of Dr. Basil, G. Ewing now stationed at
Scarborough.
Dr. Ewing is the Medical Officer of nealth for the Urban
District and is also the surgeon for the local Miners' Association.
He has been in the Army for three years and his public and private
practices have been carried on mainly by Dr. J. J. Jackson who is
the Medical Officer of Health for two adjoining large districts large
and hospitals in addition to having apprivate practice. There
is no doubt that the district has been for a long time past
deprived of the minimum amount of medical service necessary in
normal times but now with the serious epidemic of influenza
prevailing, the position is most acute.



Continuation sheet. 2. The Council therefore, whilst appreciating to the full the importance of the present work of Dr. Ewing, have no alternative but to press most strongly for his release to attend to his practice in the district. The population of the District is 8,500 and the acreage 4,017 acres and the majority of the male population are coal miners, ironworkers and farmers, and I am sure you will agree that it is impossible for one doctor to cope with the work of a district of this kind. Further there is a large amount of discontent among the miners owing to lack of proper medical service which certainly means a serious shortage in coal output at the present time. Under all the circumstances the Council will be very glad if you can see your way to release Dr. Ewing immediately, and I shall be glad to hear from you at your earliest convenience so that I can report to my Council. I am, Sir, Your obedient servant, Edwin N. hiddlework. Clerk to the Council. Sir Auckland Geddes, Minister of National Service, London S. W.



Letter Two:

TELEPHONE 25. Arban District Council of Ardsley, East & Mest. AC/WJR/LH. Your ref. M4/2279. 14.4/11/18 EDWIN H. MIDDLEBROOK December SOLICITOR & CLERI Sir, Release of Medical Practitioner from the Army. Dr. B. G. Ewing, Medical Officer for Ardsley E. and W. Urban District Council. Referring to my letter to you of the 7th November last and your letter of the 11th November with reference to the release of Dr. Ewing, I beg to inform you that the doctor is now over on a month's leave which expires on the 16th inst. and unless he receives further instructions he will have to report at Scarborough on that day. The position is if anything worse in the district than it was at the date of my last letter sme Dr. J. J. Jackson, the only other medical practitioner in the district, has had a serious breakdown so that now Dr. Ewing is the only doctor left in the district, which is, as I said previously, an industrial district with an acreage of 4,017 acres. To do the work satisfactorily and expeditiously the doctor requires a motor-car but of course he cannot be expected to

requires a motor-car but of course he cannot be expected to obtain one if he has to re-join the Colours at an early date, and the same thing applies to providing a stock of drugs.



continuation sheet 2. The influenza epidemic is still very serious in the district and the elementary and Sunday schools are all closed until after the Christmas holidays. In view of all these circumstances and the absolute need of the district for proper medical services, I am instructed by the Council to earnestly request you to arrange for the permanent release of Doctor Ewing from the colours. As the matter is most urgent, I shall be pleased to have your reply at your earliest convenience. I am, Sir, Your obedient servant, Edwin N. hiddlebrook Clerk. The Secretary, Ministry of National Service, Westminster, London **5.** W. 1.



Letter Three:

101946/1918. (Copy). 1 Northumberland Miners Mutual Confident Associ Burt Hall, Newcastle-on-Tyne. (address) 3, Scotsfield Terrace, Haltwhistle. 6th November, 1918. Sir, On behalf of the Miners of Plenmellor and South Type Collieries we beg to call your attention to the inadequate Medical attendance in this (Haltwhistle) district. The population in this district is over 8,000 and is largely made up of Miners, Quarrymen, Agricultural Labourers etc. Prior to the war we had 3 doctors residing in Haltwhistle, i.e. Dr. Williams, Dr. Glasse, and Dr. Stone-house. Dr. Glasse is at present serving with His Majesty's Forces and Dr. Stonehouse who served for a time with the Forces is suffering from illhealth and cannot attend his work with any degree of certainty. Such being the case we are at the present time practically dependent upon Dr. Williams who (whilst doing his best) cannot be expected to cope with the situation. We have many cases of Influenza in the district. This together with the fact that accidents in the Mines are occurring frequently which need medical attention places us in a very serious position indeed. have done our best (owing to the demand for Doctors in the Army) to cope with the situation but our Workmen feel that the position is now so serious that we ask you to take action with a view to having Dr. Glasse back or at least to grant us a better medical service. Nothing but dire necessity would have made us write you on the matter but knowing the great need there is for Coal and therefore, the Miners health should be looked after we respectfully suggest that you would give the matter your favourable consideration We beg that the matter may have your immediate at once. attention as it is we beg to assure you altogether serious. Thanking you in anticipation, Your obedient Servant. On behalf of the Miners (Sgd) Robert J. Taylor CC. Alfred Makepeace. Wilfred Young Jonathan Bell Geo. W. Shield, J.P. P.S. Will you kindly reply to Geo. W. Shield, 3, Scotsfield Terrace,



Letter Four:

104,963 M.2. 1918. PUBLIC HEALTH and HOUSING DEPARTMENT, (Copy) The Council House, Birmingham. 16th November, 1918. Sir, Shortage of Doctors in Birmingham. I have been asked by the Public Health Committee to approach you with a view to your taking steps to liberate as a matter of great urgency certain general practitioners for work in Birmingham during the continuance of the Influenza epidemic. At the present time the shortage of doctors is so great that those here at present cannot undertake the work. I have heard of many cases in which doctors cannot be obtained at all in serious illness, and I know that there are many patients who are getting insufficient attendance by reason of their medical men being grossly overworked. The number of cases of Pneumonia in Birmingham in a dying condition is large. During the past four weeks we have had nearly four hundred deaths, and therefore, the Public Health Committee think that if some of the general practitioners could be liberated, if only on temporary furlough for the purpose, the situation would be met. If this could be done I would be very glad to ask the Local War (Medical) Committee to obtain the loan of those most urgently wanted. If I can give you any further information, I shall be very pleased to do so. I am sending a similar letter to the Central War (Medical) Committee and to the Medical Department of the War Office. Yours faithfully, (Sgd) John Robertson. The Secretary, The Local Government Board, Whitehall, London, S.W. 1.



Questions for Discussion

- 1. How did the shortage of medical professionals affect public health responses in different districts?
- 2. Analyse the relationship between the war and the handling of the influenza pandemic.
- 3. Consider the response to the influenza pandemic as outlined in this correspondence. Compare this to more recent public health crises. What lessons can be learnt?



Questions for General Discussion

The following questions are designed to prompt a wider discussion on the events, issues, and themes highlighted in the sources.

- 1. How successful do you think government efforts were in terms of managing the pandemics considered throughout this exercise?
- 2. How did social and cultural attitudes, as well as religious belief, influence public health measures and the spread of these diseases?
- 3. To what extent have pandemics acted as catalysts for broader social, political, and scientific change in Britain?
- 4. What similarities can be identified between responses to COVID-19 and those generated by previous pandemics (plague, smallpox, cholera, and influenza)?
- 5. To what extent do the media and the government create moral panics during public health crises?

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Pandemics, Society, and Public Health, 1517–1925, falls under the broad themes of "Medicine" and "Science and Technology".

You can explore related collections, such as *Essays and Dissertations of the Scottish Royal Medical Society, 1751–1801*, and *Records from Bethlem Royal Hospital, 1559–1932*, by scanning the QR code.





The Collection Development Process and its Benefits

At British Online Archives (BOA), our skilled team takes great care in curating and publishing our primary source collections. It is a process that yields high-quality products, as well as **substantial benefits for all involved: BOA, our archival partners, and, ultimately, our users**. Here is a brief outline of the key steps.

Based on a proposal from a member of BOA's content team (all of whom have a background in historical scholarship), we collaborate with staff at the relevant archives, libraries, and heritage institutions, as well as with external academics and heritage experts, to shape the collection and produce a full item listing. The next step is equally important: the comprehensive conservation of the physical documents. Typically, this is carried out by professional conservators at the archives themselves, but it is funded by BOA. This crucial process ensures that the documents remain in excellent condition for use by other researchers for years to come.

Following conservation, the documents are digitised to the highest standards, either by BOA's expert digitisation team, the archives' in-house digitisers, or by a specialist contractor. In every case, **the digitisation costs are borne directly by BOA**. Scans are then reviewed, organised, tagged, and marketed by BOA's relevant specialist teams, a process that is **verified by collection-specific editorial boards composed of scholars and heritage experts**. They likewise contribute key supplementary materials, such as contextual essays, which complement articles produced by members of our team, as well as our innovative **source-based teaching packs**.

Prior to publication, each document undergoes **Optical Character Recognition** (**OCR**), meaning that you can search for words or phrases contained within images. Our published collections **employ the** <u>Universal Viewer (UV</u>). Significantly, this offers the "deep zoom" feature, allowing users to examine details in a document without lowering the quality of the image. Collections that contain handwritten script also benefit from Handwritten Text Recognition (HTR) software. This delivers a significant increase in usability and search term accuracy.

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