

1914-

## Britain, Health and the People: Modern



Key people	ioe	Key words		Key events	
Politicians	David Lloyd George Prime Minister responsible for the Liberal Reforms 1906-1911	Alternative medicine	Yoga, homeopathy, acupuncture. No chemical intervention given. All about balance.	Treatments	During the 20 <sup>th</sup> Century British companies such as Beechams became worldwide businesses, manufacturing drugs. They:
	William Beveridge Wrote the 1942 Beveridge Report that would become the	War	WW1 and WW2 had a huge impact on medical development e.g. plastic surgery and transfusions.		<ul> <li>Invested in research and development and did careful research to look for better treatments</li> <li>Used industrial technologies to make huge quantities of each new remedy.</li> </ul>
	starting point for the Welfare State. 600,000 copies of the report were sold.	National Health Service	Government run healthcare for all people.		For example, Aspirin, from willow bark, had been used for centuries but nobody knew why it worked. Scientists were able to find out which chemical it was that
	Aneurin (Nye) Bevan	Skin graft	Taking skin from one area of the body to cover another.		actually worked and then manufacture it. In the 1970s it was discovered it thinned the blood and we now use it to reduce the risk of heart attack.
	Appalled by east end poverty, he set up a 'Ragged School' to train boys and girls to help them find work when they left school.	X-Ray	Light rays used to locate items within the body e.g. bullets. Used in WW1		However, not all treatment was successful. For example. Thalidomide was a 'safe' sleeping tablet given to pregnant women to reduce morning sickness. It hadn't been tested and led to children being born without limbs. It was banned in 1961 but by then 10,000 children were already affected.
		Transplant	Replacing a damaged organ with one from another body.		
Social reformers	Charles Booth Surveyed London and published Life and Labour of the People in 1889. Found 35% of London's population was living in poverty. Findings reported to the Government.	Radiotherapy	Treatment of disease, especially cancer, using radiation.	Alternative treatments	This was a growing area. Some people think that medical drugs are damaging and would prefer to use more traditional medical ideas. Very similar to the Four Humors. A good example is Acupuncture that has been used in China for 4000 years. The twentieth century had two world wars. These created huge medical advancements. World War One saw: • Plastic Surgery pioneered by Harold Gillies • Broken bones mended with the Army Leg Splint (traction) • Blood transfusions led by Landsteiner who worked on blood types and then
		Chemotherapy	Treatment of disease by the use of chemical substances.		
	Seebohm Rowntree Did the same as Booth but in York. Published Poverty, A study in Town Life in 1901. 146,000 citizens were interviewed. Found that half the working class people of York lived in Poverty.	Superbugs	Antibiotic resistant bacteria e.g. MRSA		
		Gene therapy	Replace defective genes in DNA with normal ones	War	
		Dialysis	Technology that replaces the kidneys		
	Maud Pember-Reeves Published Round about a pound a week in 1913. Wanted to	Polio	Contagious disease. Causes paralysis or death. FDR had it. (See USA unit)		
	prove the working class wasted money on drink. Instead she found workers struggled to survive on the average wage of £1 a	Penicillin	First mass produced antibiotic.		Hustin who discovered how to store blood by using Sodium Citrate making blood banks possible
	week.	Magic bullets	Chemical that kills a particular bacteria, nothing else.		<ul> <li>X-Rays were used to their full potential.</li> </ul>
Scientists	Alexander Fleming Accidentally discovered Penicillin in 1928 by leaving an	Electron microscope	Developed 1931. Allowed close examination of cells.		World War Two saw: <ul> <li>Further plastic surgery developments led by McIndoe</li> <li>Heart surgery progressing led by Harken who was able to operate on a beating</li> </ul>
	experiment uncovered but did not realise the true potential of it.	DNA	Deoxyribonucleic acid – molecule that genes are made of		<ul> <li>Blood banks ready to use in anticipation of injuries</li> </ul>
	Howard Florey Developed the use of Penicillin as a mass produced antibiotic.	Shell shock	Psychological condition caused by exposure to war. Today called PTSD		Government involvement in the nation's food supply     Drugs such as Penicillin mass produced
	This work was spurred on by the Second World War and used American industry to produce.	Transfusion	Transferring donated blood, blood products, or other fluid into the circulatory system of a person	condition that made Britain backward in comparison to other countries. By the largest scale government action was underway. The Welfare state catero	
	Ernst Chain Developed the use of Penicillin as a mass produced antibiotic. This work was spurred on by the Second World War and used American industry to produce.				the Beveridge report found that huge swathes of the population still lived in a condition that made Britain backward in comparison to other countries. By 1948 the largest scale government action was underway. The Welfare state catered for education, benefits and crucially a National Health Service. This all still exists today
	All three men mentioned above shared the Nobel Prize for their work. They started a movement that has since created countless antibiotics.		Religion		and is one of the mot comprehensive systems in the world. The downside to this is the spiraling government spending that is required. £129 billion was spent in 2018/19
insura	WW1 Herning discovers Pericilin WW2 WW2 WW2 WW2 WW2 WW2 WW2 WW	NHS begins	Science an technology Factors affecting medical progress War Chance		