

I. The Existential and the Definitional

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II. What this Means for the Present and Future of 'Population' Health

I. The Existential and the Definitional

I. The Existential and the Definitional Or: What *is* 'Public Health,' Anyway?

Public Health



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Public Health

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I. The Existential and the Definitional Or: What *is* 'Public Health,' Anyway?



Early Victorian Era (Late 1830s-1850s)

<i>Labour</i>	Very Poor		Poor	
	A Lowest class	B casual	C irregular earning	D regular minimum
1. Lowest, Loafers	9,050	—	—	—
2. Casual, day to day	—	41,307	1,198	—
3. Irregular, labour	—	4,541	15,275	—
4. Regular, low pay	—	1,199	—	38,236
5. Regular, ordinary pay	—	297	—	11,171

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Poor Law of 1834

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Poorhouse

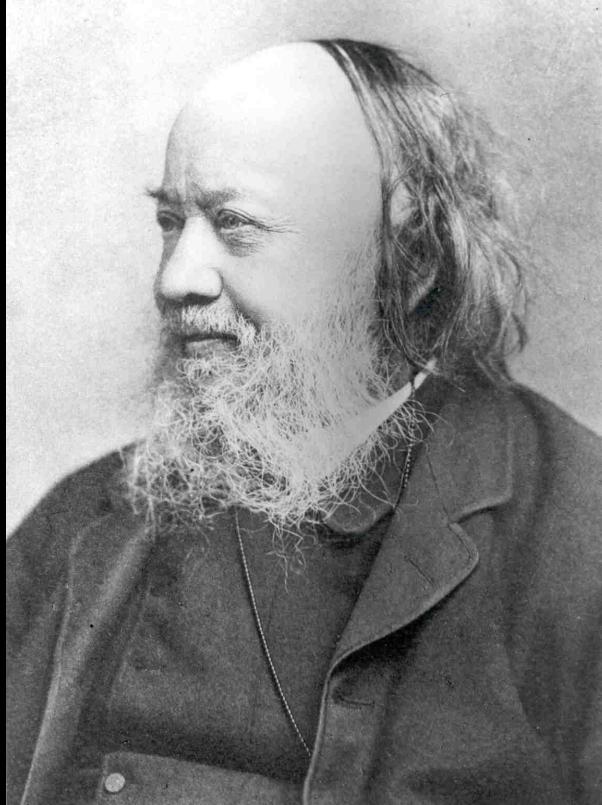


William Farr



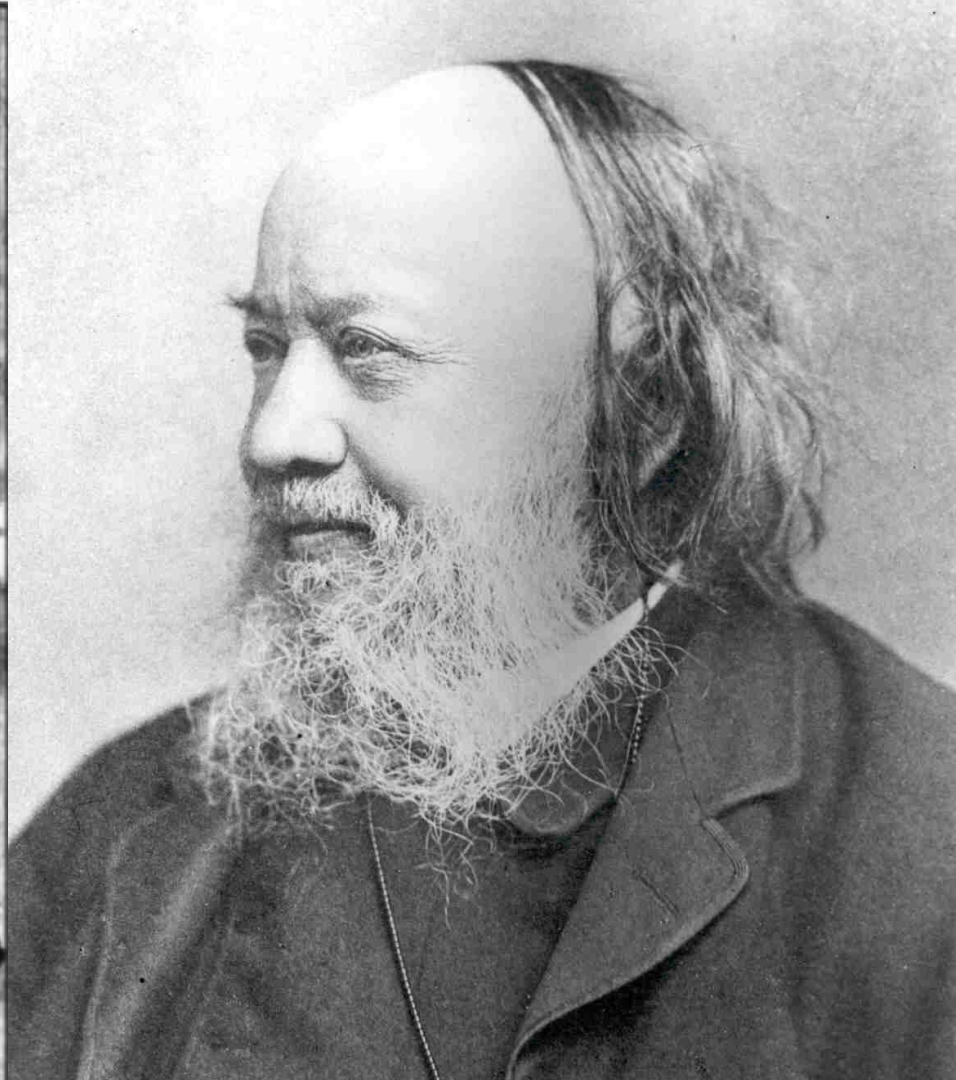
‘Starvation’ Farr’s Cause of Death on 63 cases

Edwin Chadwick





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REPORT
TO
HER MAJESTY'S PRINCIPAL SECRETARY OF STATE
FOR THE HOME DEPARTMENT,
FROM THE
POOR LAW COMMISSIONERS,
ON AN INQUIRY INTO THE
SANITARY CONDITION
OF THE
LABOURING POPULATION OF GREAT BRITAIN;
WITH
APPENDICES.

*Presented to both Houses of Parliament, by Command of Her Majesty,
July, 1842.*

LONDON:
PRINTED BY W. CLOWES AND SONS, STAMFORD STREET,
FOR HER MAJESTY'S STATIONERY OFFICE.

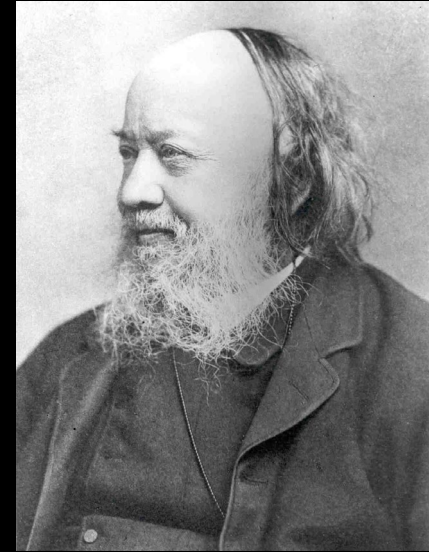
1842.

Sanitarianism: Get rid of filth!

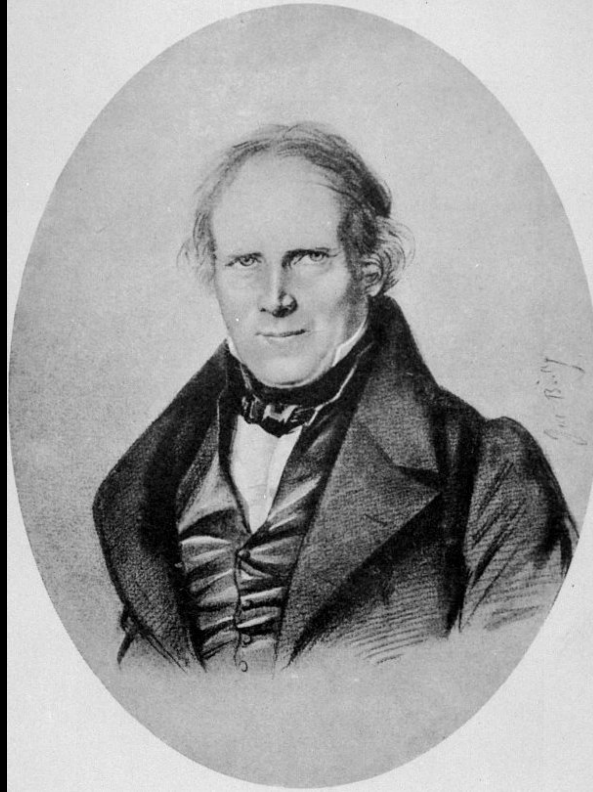


Public Health

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Louis-René (“René”) Villermé





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Table 6.2. Average annual mortality *à domicile* of rich and poor, by arrondissement, 1817–1821

Arrondissement	Untaxed rents (%)	Number of inhabitants per 1 death	Deaths per 1,000 inhabitants
2	7	62	16.1
3	11	60	16.7
1	11	58	17.2
4	15	58	17.2
11	19	51	19.6
6	21	54	18.5
5	22	53	18.9
7	22	52	19.2
10	23	50	20.0
9	31	44	22.7
8	32	43	23.3
12	38	43	23.3

SOURCE: Villermé, "Rapport . . . sur une série de tableaux," p. 227.

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SOURCE: Villermé, "Rapport . . . sur une série de tableaux," p. 227.

Table 6.4. Comparative infant and childhood mortality among the wealthy and the poor, 1817–1823/24

Location	Percentage of all deaths	
	0–1 yr.	0–10 yrs.
<i>Wealthy</i>		
Arrondissement 1	17	37
Rues du Faub.-St.- Honoré and du Roule	14	32
<i>Poor</i>		
Arrondissement 12	25	50
Rue Mouffetard	33	59

Table 6.5. Cholera incidence in Paris, 1832, by class of lodging house

Class	Total houses	Houses attacked by cholera	% attacked
1	102	4	3.9
2	227	19	8.4
3	1,566	289	18.5
4	955	499	52.3
5	256	154	60.2
All classes	3,106	965	31.1

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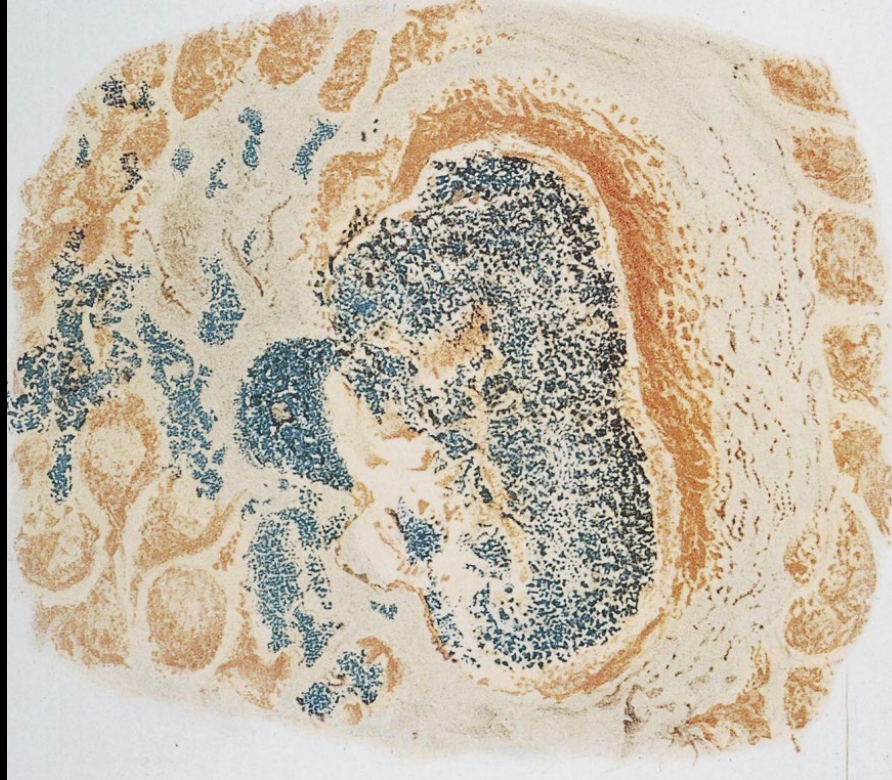


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Robert Koch



Tubercle Bacillus



Specific parasite

Specific parasite

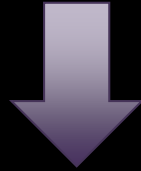


Host species

Specific parasite



Host species



Specific disease

Koch's Postulates

1. Parasite occurred in everyone with the disease

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2. Parasite wasn't present in other diseases or in healthy hosts

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1. **Parasite occurred in everyone with the disease**
2. **Parasite wasn't present in other diseases or in healthy hosts**
3. **Isolated and cultured parasite induces disease each time introduced to a healthy host**

Germ Theory



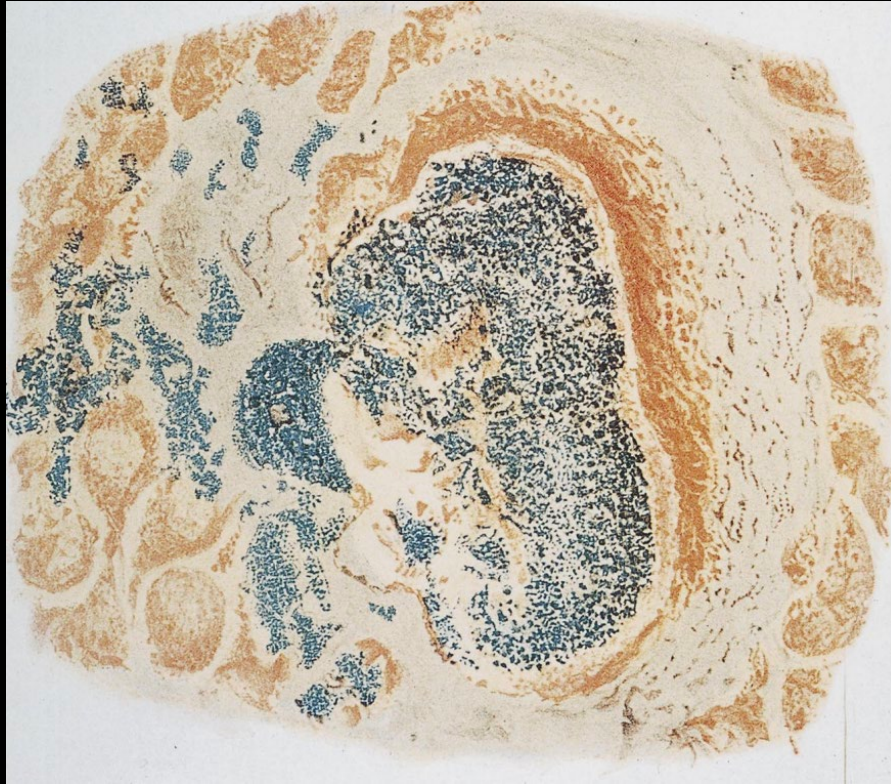
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Reductionist

Holistic



Anti-contagionists: It's not germs!



Koch's Postulates

- 1. Parasite occurred in everyone with the disease**
- 2. Parasite wasn't present in other diseases or in healthy hosts**
- 3. Isolated and cultured parasite induces disease each time introduced to a healthy host**

Revolutionary Syndicalists



Reductionist

Holistic

