The Copenhagen cholera epidemic 1853 in contemporary Danish newspaper prose: Some back-of-an-envelope calculations

Sigfrid Lundberg The Royal Danish Library

ABSTRACT

A tentative analysis of how the cholera epidemic 1853 is covered in contemporary Danish newspapers. Words related to the epidemics increases rapidly in frequency at the outbreaks, but decreases much more slowly. Obviously the public was not prepared for the appearance, but the discussions of the outbreak continues several years after. The temporal distribution of trigrams containing locations (like *cholera* in *place name*) and temporal info (like *cholera* er, har or havde, i.e., is, has and had followed by some word, often an adjective) follow the outbreak as well.

Introduction

Inspired by the fact that we were all hiding away from the Covid-19 2020 – 2021, I wanted to take a closer look at some other epidemic. My hope was to find patterns of change in language use mirroring sentiments and attitudes expressed in words, bigrams and trigrams and frequency distributions. I started to write this May 2020 and completed it about two years later. My original idea was to analyze the Spanish flu 1918 – 1919. We have as yet little freely available data in our public corpora from that period, so I turned my attention to the Cholera epidemic in Copenhagen 1853. At the time, Copenhagen had around 130.000² inhabitants out of which 7.219 were diagnosed as having the disease out of which 4.737 (56,7%) died. Christian Molbech writes in a letter to Christian Knud Frederik Molbech, the July 3, 1853:

The first cholera case was found as early as the 12th June (i.e., the day before the opening of the parliament in June) — a young man from the area close to the naval barracks, who for quite some time had worked on a dredge. He has recovered, and was released from hospital the 25th. The authorities were able to conceal the earliest few cases for a fortnight.³

The epidemic spread from Copenhagen to other areas. Outside the capital 1.951 fatal cases were reported.⁴

¹ I have a personal relation to that outbreak. My grandfather died in it when my father was three years old and this affected everything that followed in my family's history.

² http://www2.kb.dk/udstillinger/medhist/kolera/koebenhavn1853.htm

³ Translated by the author. https://bit.ly/3cOzlAg

⁴ https://da.wikipedia.org/wiki/Koleraepidemien i K%C3%B8benhavn 1853

The spread of an infectious disease does not occur in a vacuum; the Copenhagen epidemic is a part of the cholera pandemic (1846-1860)⁵ which is the third out of seven global outbreaks.⁶

Here I present some data analyses: (1) The number of newspaper articles mentioning *epidemi, pest, kolera* and *cholera* through the period 1846 to 1860 (Figure 1). (2) I repeated that analysis with the frequencies of words rather than articles in weekly aggregations of texts. (3) Finally I visualize a set of trigrams extracted from the corpus.

Everything you need to check or repeat or go further in these analyses is available on the Internet, including the scripts I have used in my calculations.⁷

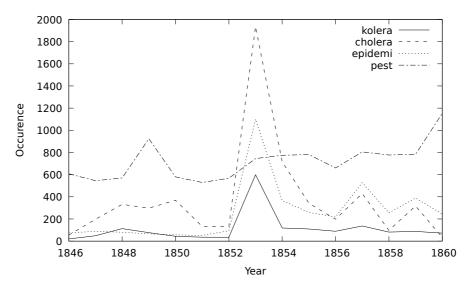


Figure 1. Number of newspaper pages mentioning any of the words kolera, cholera, epidemi or pest.

The data

The data was retrieved from Royal Danish Library's LOAR Repository.⁸ It comes in CSV format, aggregated to yearly chunks. Each line is basically corresponding to one page of text in a newspaper.

Some low-hanging fruits

Using the Unix grep command makes it easy to count the number of pages containing a given word. So the graph in Figure 1, is simple plot of what is extracted using the shell script in Figure 2.

```
#!/bin/sh
echo "#year kolera cholera epidemi pest farsot"
for file in artikler*
do
    year=$(echo $file | tr -d '[:alpha:][:punct:]')
```

⁵ https://en.wikipedia.org/wiki/1846%E2%80%931860_cholera_pandemic

⁶ https://en.wikipedia.org/wiki/Cholera outbreaks and pandemics

⁷ https://github.com/siglun/traces-of-historical-plagues

⁸ Newspapers from Royal Danish Library https://loar.kb.dk/handle/1902/157

```
kolera=$(grep -i kolera $file | wc -l)
cholera=$(grep -i cholera $file | wc -l)
epidemi=$(grep -i epidemi $file | wc -l)
pest=$(grep -i pest $file | wc -l)
farsot=$(grep -i farsot $file | wc -l)
echo "$year $kolera $cholera $epidemi $pest $farsot"
done
```

Figure 2. Script for extracting the data for plotting Figure 1. See this paper's Github repository mentioned in the main text.

Three things spring to my mind: (1) The obvious one. People wrote about this cholera outbreak in Copenhagen 1853. They wrote a lot. (2) The effect on the public discourse of the epidemic lasted for years and it did not return to pre-epidemic levels that decade. You see this on the shape of the curves; the incidence of words related to the epidemic rise rapidly from very low levels and then fade out slowly. The fact is that the article count in Figure 1 never really decreases to counts before the cholera outbreak. Almost certainly the people felt like we do in relation to the Covid-19 epidemic: Will it ever be the same again? If there will be new waves, will we survive? (3) People hadn't settled on how to spell the name of the disease yet, cholera and kolera. (4) The word *pest* seems to be widely used in Danish at the time, possibly as something annoying but also as epidemic disease in general.

I also made another analysis, where I aggregated text by week, and used text tokenized by word, see Figure 3. The week numbering starts with 1 at 1846-01-01 and ends at 1860-12-31 with week 781. The huge peak in the graph starts at 1853-06-24 at week 389 (compare with the letter quoted above). It reaches its highest point at the end of July, 1853-07-29, week 395. From what I can tell it continues until the beginning of October, but the mentions of *cholera* in the corpus is higher than the pre-outbreak into March the following year, week 425. There is a discrepancy between the two analyses, in that the article level analyses (Figure 1) implies a longer effect of the outbreak on the discourse than the per word one (Figure 3.)

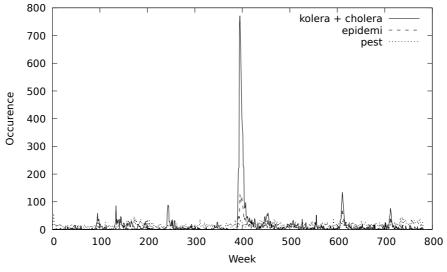


Figure 3. Here I use tokenized text, i.e., there is only one word per line, and I also aggregated the texts by week.

Trigrams

N-grams generation is not an end in itself. They are a starting point for many kinds of statistical and machine learning methods and applications in natural language processing. You extract n-grams by "sliding" through your tokenized text word by word, and sample n words. Bigrams and trigrams are special cases where you sample two or three words. I am a great fan of simplicity and elegance and hence I love Kenneth Ward Church's tool box which he described in his wonderful classic *Unix for Poets* where you are given methods to do a text analyses using simple tools that you find on all Unix/Linux machines. Here are some examples of trigrams containg the word *hovedstaden* across the weeks, i.e., the capital (in decreasing frequency):

```
cholera i hovedstaden
hovedstaden bortriver cholera
hovedstaden er cholera
hovedstaden af cholera
hovedstaden forekomne cholera
choleraepidemien i hovedstaden
epidemien i hovedstaden
hovedstaden udbrudte cholera
```

For some reason, I don't understand why, the actual name of the city Copenhagen, København (or whatever spelling) seem to occur rarely in comparison with the word hovedstaden ("the capital"), which is frequent, in particular 1853. Here is another sequence (containing *cholera er*) and sampled such that they begin with that phrase:

```
cholera er af
cholera er afgaaet
cholera er aftagen
cholera er aldeles
cholera er alter
cholera er aner
cholera er at
cholera er at
cholera er begjeert
cholera er borlfalden
cholera er cadetfiibs
cholera ere altsaa
cholera ere berovede
```

As you can see, our newspaper text corpora are not proofread. It is OCR from gothic script. Figure 4-7 are visualizations of the frequencies of various trigrams.

1. Trigrams starting with *kolera i* or *cholera i* ("cholera in" in English). The third word is often a place name, such as *cholera i hovedstaden* (i.e., "cholera in the capital"). There are other constructs like *cholera i begyndelsen* (i.e., "cholera in the beginning").

⁹ https://en.wikipedia.org/wiki/N-gram

¹⁰ http://doc.cat-v.org/unix/for-poets/

Repetitions are excluded, so the heights of the bars are more measures of diversity rather than abundance. See Figure 4.

- 2. Trigrams starting with *kolera er* or *cholera er* ("cholera" followed by "is") in English). These are constructs like *cholera er udbrudt* ("cholera is broken out"), *cholera er fra* ("cholera is from") etc. See Figure 5.
- 3. Trigrams starting with *kolera har* or *cholera har* ("cholera" followed by "has" in English). The words following *har* (i.e., "has") is similar to those follwing "cholera is". After all they are both conjugations of the same verb *have*; "has" is still present tense just like "is" but the cholera has been going on for a while when using "has". For instance, we have *cholera har hersket* ("cholera has ruled") as opposed to the "cholera is broken out" as mentioned in point 2 above. See Figure 6.
- 4. Finally, trigrams starting with *kolera havde* or *cholera havde* ("cholera" followed by "had") in English). One example is *cholera havde vist*, i.e., "cholera had shown". There are only handful words following this past tense construct of the verb *have*. They only appear in five of the ten years I have in my time series. Since the numbers are so low, I am hesitant to draw any conclusions upon the set of words here. However, only one occurence of *cholera havde* is before 1853, in 1849. The rest of them are in 1853, 1854, 1855 and 1856 (See Figure 7).

The *cholera havde* constructs seem to be discussions on why things happened as they did in 1853 as in this text

Saavel paa St. Thomas som paa St. Croix vedligholdtes streng Karantæne, och intet Tilfælde af **Kolera havde vist** [authors emphasis] sig paa nogen av Øerne. ¹¹ (On St. Thomas as well as on St. Croix there was stringent quarantine, and no cases were encountered on the islands.)

The author of the text can thus preclude the contacts with the Danish West Indies as a source of the disease. The temporal distribution of the *cholera havde* constructs corroborates the conclusion above for the time series shown in Figures 1 and 3. People were talking a lot about Cholera 1853 and many years thereafter, just as we do now in relation to Covid.

¹¹ http://hdl.handle.net/109.3.1/uuid:dd96317c-bf59-463f-9e63-01ce718ae521



Figure 4. Trigrams per year with the text beginning with cholera i. The highest bar is truncated, in reality it is ten times higher in order to make it fit into the page. I have also removed repetions.

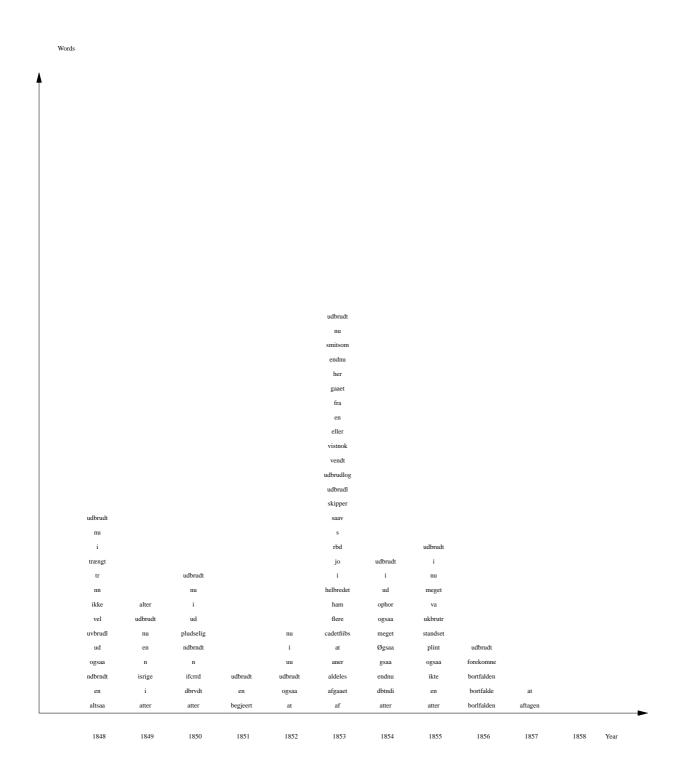


Figure 5. Trigrams per year with the text beginning with cholera er. The highest bar is truncated in order to make it fit into the page. I have also removed repetions.

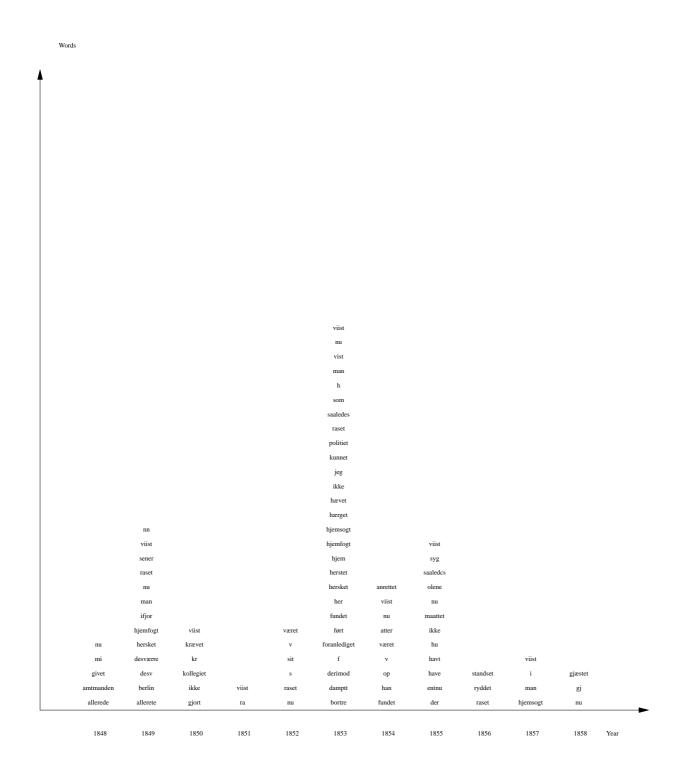


Figure 6. Trigrams per year with the text beginning with cholera har.

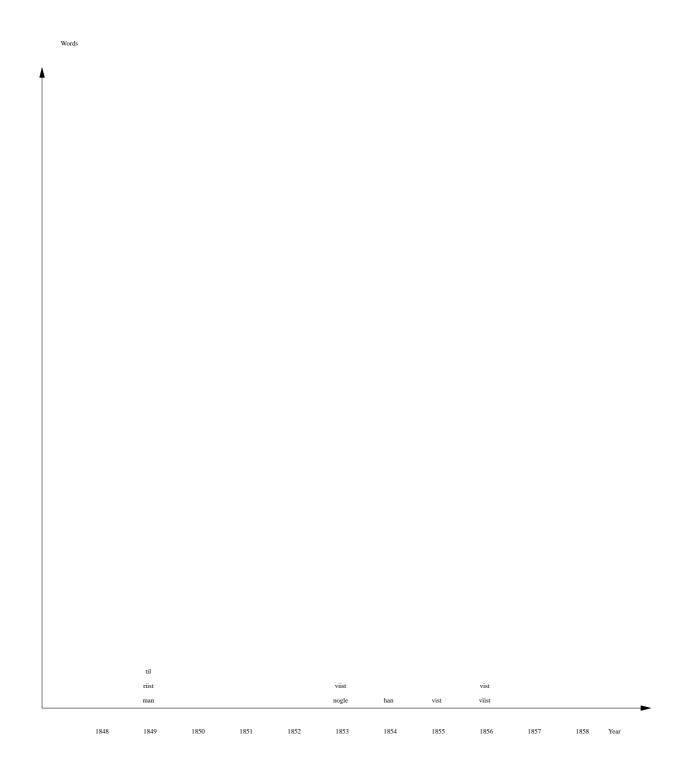


Figure 7. Trigrams per year with the text beginning with cholera havde.

Lessons learned

- 1 My idea was that just inspection of the words in their context should give information about emotions or sentiments. I suppose that this was just due to my naivete when it comes to languages, since I cannot really find anything of that kind.
- The tools coming with a standard Linux distribution isn't as unicode compliant one would wish. Some twenty years later, the nice utility tr is still not really UTF-8. Neither is the GNU implementation of Brian Kernighans graphics language pic which I used for the bigrams.
- 3 There is another big problem connected with the use of our newspaper text corpora for computational linguisics. The poor OCR quality.

Appendix: Bigrams containing any of the words epidemi, kolera or cholera.

The bigrams are shown as bars in a set of bar diagrams, one diagram per eight weeks interval. It comprises about a year, from 1853-05-27 (my week 386) to 1854-05-06 (my week 435). When the epidemics is worst, the number of bigrams is so high that I decided to **take only the 50 most frequent ones**, or the text would not be readable. Then all the bars are of equal length, obviously. The bars look somewhat like this, the number is the absolute frequency of the following bigram that week.

- 46 af cholera
- 42 kolera den
- 36 kolera ten
- 36 a kolera
- 23 kolera hen
- 15 kolera
- 10 kolera drn
 - 9 sidste epidemi
 - 9 kolera i
 - 9 kolera d

l							
					5 en epidemi	10 af cholera	25 kolera den
					3 epidemi den	5 cholera og	14 af cholera
					3 eholera epidemi	4 kolera len	7 imod cholera
					2 kolera i	4 en epidemi	7 cholera
					2 kolera af	4 cholera af	5 epidemien i
					2 for cholerapa	3 udbrudte cholera	4 til cholera
					2 epidemi bedes	3 kolera indtil	4 kolera
					2 en cholera	3 kolera den	4 cholera epidemien
					2 cholerapa tienter	3 heftig cholera	3 med cholera
					2 cholera og	3 for choleraen	3 kolera i
					2 cholera i	3 cholera i	3 epidemi ethvert
					2 cholera er	3 cholera hvorefter	3 eholera epidemien
					2 cholera epidemi	3 cholera har	3 den epidemiske
					1 ved epidemiers	3 cholera er	3 cholera ere
					1 udbrydende epidemi	3 choleraen i	3 asiatiske cholera
					1 tdr cholera	3 af choleraen	3 af kolera
					1 særegne cholera	2 være cholera	3 af epidemien
					1 sporadisk cholera	2 udtalte choleraagtige	2 under choleraen
					1 sporadiffe cholera	2 paa cholerastuen	2 udbrudte epidemies
					1 som cholera	2 ondartede cholera	2 udbrudte cholera
					1 s epidemien	2 med choleralignende	2 kolera fra
					1 seneste choleracpi	2 kolera	2 kolera epidemi
					1 oyclera epidemi	2 ingen cholera	2 k koleraen
					1 ondartet kolera	2 for cholera	2 imod cholerasygens
					1 ondartet cholera	2 epidemisk cholera	2 forebygge cholera
					1 ondartede cholera	2 epidemi hvad	2 epidemies kraft
					1 om epidemiens	2 epidemi af	2 epidemier i
					1 om choleraens	2 en cholera	2 epidemien og
					1 om choleraen	2 den epidemiske	2 epidemien naar
					1 om cholera	2 cholera vil	2 epidemien holder
					1 med cholera	2 cholera var	2 epidemien har
					1 kolera inttil	2 cholera tilfalde	2 epidemien at
					1 kighostc epidemien	2 choleras	2 en cholera
					1 iutiske choleras	2 cholera gamle	2 cholerasyge hvoraf
					1 indtrædende cholera	2 cholerafyge og	2 cholerasyge eller
					1 indiske cholera	2 cholera ere	2 cholera syge
					1 i choleraen	2 cholera epidemi	2 cholera sygdommens
					1 hvad epidemierne 1 hastende cholera	2 choleraens udbrud 2 cholera der	2 cholera og 2 cholera men
					1 fsrste cholera		
					1 for cholerapatienter	2 cholera angreben 2 choleraagtige tilfalde	2 cholera kornmaaler 2 cholera i
	I dha anidamia				•		2 cholera epidemi
	1 the epidemic 1 that epidemic				1 for cholera 1 faakaldte epidemiske	2 cholera 2 at choleraen	2 choleraen synes
	1 fever epidemic				1 erholdes cholera	2 at choleraen 2 asiatiske cholera	2 choleraen i
1 epidemien atter	1 epidemi norge				1 epidemiske og	1 være epidemist	2 cholera
1 epidemi	1 epidemic outbreak				1 epidemiske og	1 vare epidemist	2 brudte cholera
1 eholera epidemien	1 epidemic cholera	1 medfarer epidemier	1 epidemi vil	1 med cholera	1 epidemisk blandt	1 vare cholera	2 at epidemien
1 cholera har	1 epidemic	1 epidemi som	1 epidemi har	1 hvste epidemien	1 epidemi og	1 udtalte cholera	2 as cholera
1 at cholera	1 cholera has	1 epidemier dette	1 denne epidemi	1 epidemien som	1 epidemi ligesom	1 udtalt choleraagtige	2 as cholera
1 almindelig epidemi	1 almindelig epidemi	1 en epidemi	1 bornekoppe epidemi	1 cholera aarene	1 epidemi gangse	1 udbredte epidemies	2 af koleraen
eng epacini	spacean	р-шени			1 arm gangae		

385 386 387 388 389 390 391 392 We

18 af cholera	115 kolera den	46 af cholera	78 kolera ten	98 kolera den	73 kolera den	42 af cholera	50 af cholera
14 kolera den	38 kolera ten	42 kolera den	50 af cholera	63 af cholera	49 af cholera	20 cholera og	25 cholera og
10 kolera drn	33 af cholera	36 kolera ten	43 kolera den	23 cholera og	15 cholera og	15 kolera den	12 cholerasyge og
6 cholera epidemien	27 a kolera	36 a kolera	27 kolera xen	17 a kolera	13 kolera	10 kolera i	12 cholera epidemien
6 a kolera	16 kolera	23 kolera hen	17 a kolera	12 kolera d	10 cholera epidemien	10 cholerasyge og	7 ny cholerapatient
5 cholera	10 cholera og	15 kolera	14 kolera tcn	10 kolera	9 a kolera	9 kolera len	7 a kolera
4 mod cholera	6 som epidemien	10 kolera drn	12 cholera og	9 kolera ten	8 kolera ten	9 cholera epidemien	6 ved cholera
3 ved epidemiens	6 for cholera	9 sidste epidemi	10 kolera	9 cholerasyge og	7 kolera i	9 as cholera	6 nye choleratilfælde
3 kolera ten	6 as cholera	9 kolera i	8 cholera i	7 cholera epidemien	7 har epidemien	8 under cholera	6 har cholera
3 kolera	5 cholera epidemien	9 kolera d	8 af epidemien	7 as cholera	7 epidemien i	8 kolera ten	6 epidemien i
3 imod choleraen	5 cholera epidemi	8 af epidemien	7 cholera	6 x kolera	7 cholerasyge og	8 at cholera	6 cholera i
3 for epidemien	5 at cholera	7 cholera eller	6 under epidemien	6 cholera i	6 under cholera	7 cholera	5 har choleraen
3 epidemiens udbrud	4 udbrudte cholera	6 til epidemiens	6 nye choleratilfælde	5 mod cholera	6 kolera den	6 nye choleratilfælde	5 epidemien have
3 cholera tilfalde	4 kolera drn	6 da cholera	6 kolera drn	5 kolera i	6 cholera er	6 nye cholerapatienter	5 choleraen er
3 cholera og	4 cholera i	6 cholera og	6 for cholera	5 cholera epidemi	6 cholera eller	6 epidemien i	4 under cholera
3 cholera i	4 choleraens udbredelse	6 cholera epidemien	5 mod cholera	5 cholera eller	5 som epidemien	6 epidemien ere	4 til cholera
3 choleraen i	4 cholera	6 cholera epidemi	5 epidemiens udbrud	5 cholera	5 epidemien har	6 eholera epidemien	4 naar epidemien
3 choleraen	4 at epidemien	5 under epidemien	5 cholera men	4 tid epidemien	5 da epidemien	6 choleraen i	4 mod cholera
3 cholera bitter	4 af kolera	5 under cholera	5 as cholera	4 nye choleratilfælde	5 cholera i	6 af epidemien	4 kolera i
3 cholera	3 mod cholera	5 os kolera	5 af kolera	4 nye choleratilfalde	5 at choleraen	5 ved cholera	4 i epidemiens
3 af epidemien	3 kolera peter	5 denne epidemi	4 mod choleras	4 nye cholerapatienter	4 nye choleratilfalde	5 kolera epidemien	4 eholera epidemien
2 til koleraen	3 kolera len	5 cholera er	4 kolera i	4 for choleraen	4 nye cholerapatienter	5 da choleraen	4 cholerapatient anmeldt
2 opgivne cholera	3 kolera d	5 as kolera	4 epidemi som	4 for cholera	4 m kolera 5	5 cholerapatienter anmeldt	e 4 cholera ere
2 om cholera	3 imod choleraen	5 af kolera	4 da cholera	4 epidemi er	4 hvor cholera	5 choleraen er	4 choleraen nu
2 ligne cholera	3 cholera som	4 til cholera	4 choleratilfælde anmeldte	e 4 epidemien varer	4 epidemien viist	5 af kolera	4 cholera eller
2 kolera fra	3 cholera patient	4 nye choleratilfoelde	4 choleratilfælde anmeldt	4 epidemien i	4 epidemi blive	4 virkelig cholera	4 cholerabe trængte
2 i choleralignende	3 cholera hospital	4 nye choleratilfælde	4 choleras udbredelse	4 cholera var	4 eholera epidemien	4 til cholera	4 at choleraen
2 et choleralignende	3 cholera er	4 mod choleras	4 choleralignende tilfælde	cholerapatienter anmeld	te 4 denne epidemi	4 i cholera	3 vedvarer epidemien
2 epidemi har	3 choleraen	4 kolera johan	4 cholera har	4 cholera men	4 cholerapatienter anmeld	te 4 hvor epidemien	3 ved epidemien
2 epidemi er	3 cholera efter	4 kolera h	4 cholera fra	4 cholera hvoraf	4 cholera ikke	4 epidemi har	3 raser epidemien
2 epidemien har	3 cholera bitter	4 for epidemien	4 aug cholera	4 cholera	4 cholera epidemi	4 denne epidemi	3 om cholera
2 epidemien ere	3 cholera	4 for cholera	4 at cholera	3 m kolera	4 at cholera	4 choleratilfælde anmeldt	3 nye cholerasyge
2 epidemien er	3 as kolera	4 faaet kolera	4 af choleraen	3 kolera drn	3 ved cholera	4 cholera epidemi	3 modtager cholera
2 eholera epidemi	3 asiatiske cholera	4 epidemi som	3 ved cholera	3 fra epidemiens	3 synes epidemien	4 choleraen viist	3 med cholera
2 denne epidemi	2 ved choleraens	4 epidemien nu	3 sidste epidemi	3 et cholera	3 nye choleratilfoelde	4 at choleraen	3 kolera ten
2 cholera vare	2 omtalte cholera	4 cholera men	3 kolera og	3 epidemiens begyndelse		4 af choleraen	3 kolera epidemien
2 cholera syge	2 mod koleraens	4 cholera ikke	3 kolera epidemi	3 epidemien har	3 mod cholera	3 ved kolera	3 hvor epidemien
2 choleralignende tilfalde	2 m kolera	4 cholera i	3 imod cholera	3 epidemien endnu	3 kolera fra	3 under epidemien	3 er epidemien
2 cholera epidemi	2 kolera fra	4 cholera hospital	3 et choleralignende	3 eholera epidemien	3 kolera epidemien		3 epidemiens begyndelse
2 choleraens udbredelse	2 kolera dorthea	4 cholera af	· ·	3 choleratilfælde anmeld	•	3 siden epidemien	3 epidemien ere
2 cholera der	2 kolera det	4 asiatiske cholera	3 epidemiens videre	3 cholera have	3 holde epidemien	3 paa cholera	3 en epidemi
2 cholera af	2 holde choleraen	4 as cholera	3 epidemien gjore	3 cholera er	3 er cholera	3 om cholera	3 en cholerasyg
2 at choleraen	2 herskende cholera	3 m kolera	3 epidemien en	3 choleraen i	3 epidemi med	3 nye choleratilfcrlde	3 eholera epidemi
2 asiatisk cholera	2 for epidemien	3 kolera maren	3 epidemien egentlig	3 choleraen er	3 epidemien ude	3 kolera fra	3 choleratilfælde og
2 asiatist cholera	2 fik cholera	3 kolera kolera	3 en epidemie	3 at choleraen	3 epidemiens udbredelse		3 choleratilfælde anmeldt
			•		•		
2 af epidemiens	2 et cholera	3 hvor cholera	3 eholera epidemiens	3 at cholera	3 epidemien nu	3 for cholera	3 cholerasyg var
1 virkelige cholera	2 epidemi ere	3 epidemien varer	3 cholera tilfælde	3 af kolera	3 en cholerasyg	3 epidemiens udbredelse	3 cholera syge
1 virkelig cholera		3 epidemiens standsning		3 af epidemien	3 de cholera	3 epidemien nu	3 cholera patienter
1 vigs anticholerasyre	2 epidemien og	3 epidemien i	3 cholera naar	2 ved cholera	3 cholera udbrud	3 epidemien her	3 choleraen i
1 ved choleracn	2 epidemien indvirker	3 en cholerasyg	3 cholera ikke	2 var cholera	3 choleratilfoelde anmeld	t 3 en cholera	3 at cholera

393 394 395 396 397 398 399 400 Wee

57 af cholera	31 af cholera	46 af cholera	18 af cholera	12 af cholera	6 epidemien er	7 af cholera	10 under epidemien
19 kolera den	9 af kolera	12 cholera og	8 cholera epidemien	3 ved epidemiens	4 epidemien i	5 cholera er	6 af cholera
14 cholera epidemien	6 under cholera	12 cholera i	5 hvor cholera	3 ved cholera	4 cholera er	4 ved cholera	4 epidemien en
12 cholera og	6 epidemien har	11 as cholera	5 epidemien have	3 under epidemien	4 af cholera	-	3 under choleraepidemien
9 cholera i	6 cholera epidemien	6 ingen cholerasyge	4 under cholera	3 i cholera	3 ved choleraen	4 at epidemien	3 epidemien i
9 as cholera	6 af choleraen	6 af kolera	4 cholera er	3 hvor cholera	3 ved cholera	3 under cholera	3 epidemien ere
8 under cholera	5 under epidemien	5 cholerasyge og		3 epidemiens begyndelse		3 kolera i	3 cholera
7 cholerasyge og	5 kolera i	5 cholera de	3 epidemien er	3 epidemien nu	3 choleraen have	3 cholera og	2 ved epidemien
6 mod cholera	5 cholera samt	4 cholera har	2 ved cholera	3 epidemien navnlig	2 under choleraen	3 choleraepidemien i	2 for cholera
5 epidemien i	5 at cholera	4 cholera epidemien	2 naar cholera	3 epidemien er	2 under cholera	3 choleraen i	2 epidemi som
5 epidemien have	5 as kolera	4 cholera det	2 epidemi som	3 da epidemien	2 kolera blandt	3 cholera bortdode	2 epidemisk vil
5 cholera siden	4 med kolera	3 kolera ten	2 en epidemi	3 cholera og	2 epidemien have	3 cholera	2 en epidemi
5 at cholera	4 kolera epidemien	3 kolera i	2 en cholerasyg	3 cholera epidemi	2 epidemien blev	2 var cholera	2 choleratilfælde i
5 af kolera	4 kolera den	3 cholera udbrod	2 e kolera	3 af choleraens	2 eholera epidemien	2 under epidemien	2 choleraen har
4 ved kolera	4 cholerasyge og	3 cholerasyge anmeldte	2 eholera epidemien	2 ved choleraen	2 de cholerabetrængte	2 under choleraepidemier	2 cholera bureauet
4 ved cholera	4 cholera i	3 cholera paa	2 ebolera epidemien	2 medens choleraen	2 de cholerabe	2 under choleraens	2 blive epidemisk
4 naar epidemien	4 cholera epidemi	3 cholera men	2 cholerasyg kone	2 hyppigt choleralignende	2 choleraen har	2 til cholera	1 ved choleraen
4 mod choleraen	3 kolera fra	3 cholera er	2 cholera paa	2 grasserende cholera	2 choleraen er	2 om cholera	1 ved cholera
4 epidemien og	3 hvor epidemien	3 cholera der	2 cholera og	2 er epidemien	2 cholera	2 of cholera	1 under koleraen
4 epidemien er	3 for choleraen	3 at cholera	2 cholera indtruffet	2 epidemi kan	2 at epidemien	2 modtage cholera	1 under choleraepidcmien
4 en epidemisk	3 epidemien der	3 as kolera	2 cholera epidemien	2 choleralignende eller	2 af kolera	2 kolera den	1 under choleraen
4 cholera hun	3 cholera havde	2 ved epidemien	2 choleraen har	2 cholera epidemien	2 af epidemien	2 imod cholera	1 under cholera
4 choleraen er	3 cholera har	2 ved choleraen	2 choleraen ere	2 choleraens ophor 1	værende cholerabeirængt	e 2 ikke cholera	1 udgift cholera
4 cholera angrebne	3 choleraen og	2 ved cholera	2 cholera ei	2 choleraen have	1 ved koleraen	2 epidemiste cholera	1 til koleraen
4 cholera	3 choleraen men	2 var cholera	2 cholera	2 choleraen grasserede	1 ved epidemien	2 epidemi som	1 til choleraens
4 a kolera	3 choleraen er	2 under cholera	2 cholera	2 cholera	1 ved choleraevidemien	2 epidemiske cholera	1 st cholera
3 ved choleraen	3 cholera bureauet	2 s kolera	2 as kolera	2 as epidemien	1 ved choleraevide	2 epidemien ere	1 skolerasenets og
3 med cholera	3 as cholera	2 over epidemiens	2 af kolera	1 vor epidemien	1 ved choleraepideniien	2 den epidemiste	1 overstaaede epidemi
3 kolera og	2 ved choleraepidemien	2 og epidemien	2 af choleraen	1 virkelige cholera	1 undgaael epidemien	2 den epidemiske	1 overftaaede epidemi
3 kolera fra	2 ved choleraen	2 lera epidemien	1 ved choleraepidemiens	1 ved kolera	1 under epidemien	2 cholera nu	1 oktbr choleraen
3 for epidemien	2 the cholera	2 kolera fra	1 ved chcleraepidemien	1 ved epidemien	l under cdoleraepidemien	2 cholera men	1 nyt choleratilfælde
3 for cholera	2 nye choleratilfcrlde	2 i cholera	1 ve cholerabr	1 ved choleraemdemien	1 udbrudte cholera	2 cholera have	1 mandskabet ascholera
3 epidemisk sygdom	2 med cholera	2 for cholera	1 under choleraepidemien	1 ved cholcraepidemien	1 uagtet cholera	2 cholera har	1 kolera tilfælde
3 epidemien man	2 kolera netop	2 et choleratil	1 under choleraen	1 vcd choleracns	1 tilboit koleradode	2 cholera eller	1 kolerasvge rr
3 epidemien har	2 kolera kort	2 epidemien være	1 under choleracpidemien	1 tiltalt skolera	1 tgbl cholera	2 cholera der	1 kolerapatient i
3 efter cholera	2 kolera har	2 epidemien ved	1 udbrudt epidemi	1 til cholerabetrcrngte	1 stg koleratilsalte	2 cholera at	1 koleralarge var
3 cholera thi	2 intet choleratilfælde	2 epidemiens lykkelige	1 til cholera	1 the epidemic	1 stedse kolera	2 cholera af	1 kolera i
3 cholerasyge hvoraf	2 hvor kolera	2 epidemien nu	1 ten kolera	1 the cholera	1 stedse cholera	2 at choleraen	1 koleraen il
3 cholera saa	2 herskende cholera	2 epidemien i	1 tdasposten kolera	1 ten cholera	1 sorger cholera	1 være epidemisk	1 koleraen dels
3 cholera ingen	2 har cholera	2 epidemien antages	1 sporadiske kolera	1 storre epidemi	1 sor cholera	1 vid cholera	1 i skolerasenets
3 cholera har	2 grasserende cholera	2 en epidemi	1 sporadific cholera	1 skolera i	1 som choleraepidemien	1 under epidemiens	1 hvorpaa kolera
3 cholera fra	2 from cholera	2 ebolera epidemien	1 som epidemi	1 serente kolera	1 sig choleratilscrlde	1 udbruttr kolera	1 hvorpaa cholera
3 choleraen var	2 for koleraen	2 cholera viist	1 som choleraen	1 pri kolera	1 sig choleratilfælde	1 tverrig choleraen	1 holera epidemien
3 cholera det	2 forinden epidemiens	2 choleratil fælde	1 seneste choleradodsfald	1 og choleraens	1 portsmouth koleraen	1 tnodstaae choleraens	1 frygtelige epidemi
3 af epidemien	2 er choleraen	2 cholera tilfælde	1 red cholera	1 nye choleratilfældc	1 porismoulh choleraen	1 til choleraens	1 formedelst choleraen
3 af choleraen	2 epidemi siden	2 cholera syge 1	opbor afgkoleraboretttiner	ae 1 nu epidemien	1 ogsaa choleraen	1 til cholerabetrtnigte	1 for cholerapaticnter
2 under epidemien	2 epidemien trufne	2 cholera indtruffet	1 og choleralignende	1 mod choleraen	1 og epidemien	1 til cholerabetrerngte	1 fl cholera
2 tiltager epidemien	2 epidemiens udbrud	2 cholera hjcmsogte	1 octbr cholera	1 mod cholera	1 og cholera	1 til cholerabeirerngte	1 faa kolera
2 tab epidemien	2 epidemien i	2 cho leraepidemien	1 nyt choleratilfælde	1 mer epidemien	1 ofte cholera	1 tid cholera	1 et choleratilfælde
2 studeret choleraen	2 epidemien have	2 choleraen i	1 nye choleratilfældc	1 med epidemien	1 nye kolerattl	1 thi koleraen	1 epidemi har

401 402 403 404 405 406 407 408 Wee

8 af cholera	8 af cholera	5 af cholera	4 under epidemien	4 epidemien i	4 ved epidemien	4 of cholera	5 of cholera
5 epidemien i	4 cholera epidemien	4 epidemien synes	3 de cholerabetrængte	4 af cholera	2 under epidemien	3 kan epidemisk	4 the cholera
5 cholera epidemien	3 cholera ialt	3 under epidemien	3 af cholera	2 ved epidemien	2 cholera bortdode	3 cholera eller	2 i choleratiden
3 hvor epidemien	2 with cholera	3 cholerabetrængte i	2 epidemien er	2 eholera epidemien	2 cholera	3 cholera but	2 herskende choleracpidemi
3 forsvundne epidemi	2 til epidemisk	3 av epidemien	2 cholera epidemien	2 cholera epidemien	2 af cholera	3 af kolera	2 eholeraepidemien i
3 epidemi for	2 rigeligt cholera	2 with cholera	2 cholerabetrængte og	2 cholera	1 ved choleraepidemien	3 af cholera	2 cholera men
2 epidemien endnu	2 hvad epidemien	2 ved choleraepi	2 cholera	1 ved choleraen	1 under kolerarpltemien	2 under epidemien	2 cholera is
2 cholera epidemi	2 epidemisk cholera	2 typhnsepidemien for	2 af kolera	1 ved cholera	1 til cholerabetrængte	2 selve kolera	2 cholera but
2 as kolera	2 epidemien synes	2 rigeligt cholera	1 ved kolera	1 under choleraepidemie	n 1 til cholerabetrerngte	2 kolera angrebne	2 af eholeraepidemien
2 alle choleralignende	2 epidemien her	2 lera epidemien	1 ved choleraepidemien	1 under cholera	1 ra kolerabefængte	2 epidemisk cholera	1 with cholera
1 ved choleraen	2 cholera stof	2 epidemisk natur	1 ved cholera	1 udbrydende cholera	1 nce kolera	1 vev choleracpideniier	1 when cholera
1 ved cholera	2 as cholera	2 epidemien har	1 typhusepidemien sor	1 udbredte koleraen	1 mod choleraen	1 ved epidemien	1 ved epidemien
1 var kolera	2 af epidemisk	2 epidemien er	1 til epidemisk	1 udbredte choleraen	1 kolerarpltemien bar	1 ved cholera	1 vaeret cholerahospital
1 vare choleratilfad	1 ved choleraepi	2 en choleraepidemie	1 til cholerasmitten	1 til cholerabetrangte	1 koleral etrcrngtc	1 under koleraepitemier	1 under eholeraepidemien
1 under hbolcraepidemitn	1 ved choleraen	2 cholera stof	1 til choleralazaicih	1 te kolerabetrangte	1 kolera kammerjomfru	1 under cholera	1 under choleratiden
1 under choleraepidemicn	1 ved cholera	2 choleraepi demien	1 til choleraens	1 sin cholera	1 kolera cpilemi 1	under cholcraepidemie	n 1 under cholera
1 under choleracn	1 under epidemien	2 cholera epidemien	1 til cholerabetrangte	1 nvt choleratilfælde	1 kolera belobe	1 til epidemiens	1 that cholera
1 uagtet epidemien	1 under choleraliden	2 choleraepidemie at	1 som typhusepidemien	1 koleratilfalde de	1 kolerabefængte og	1 til cholerakomiteen	1 sommer herfiendecholera
1 to cholera	1 under choleraen	2 af kolera	1 som ihyvhiioepidemicn	1 kolera til	1 kolerabctrcrngte i	1 til choleraens	1 og epidemien
1 til cholerakomitecn	l under choelraepidemien	2 af epidemisk	1 som epidemi	1 kolera n	1 i epidemien	1 selve cholera	1 no cholera
1 til cholerabetrængte	1 uagtet epidemien	1 ved koleraepidc	1 sidste koleraangrebne	1 koleral oticrngte	l herskende choleracpidem	i 1 raepidemien have	1 malignant cholera
1 that epidemic	1 tor kolerabetrængtes	1 ve cholerabetrængte	1 sidste choleraangrebne	1 koleraen nu	1 hcrflendc choleracpidemi	1 og epidemien	1 lite epidemic
1 te kolerabetrangte	1 paa choleralazarethet	l under chvleraepidemieu	1 rpitemifl kolera	1 koleraen i	1 haster choleraen	1 og choleralæger	1 kunde epidemien
1 sor cholerabetreengte	1 og cholerariden	1 under choleracpidemier	1 rn koleraepiteini	1 koleraen fig	1 haarce cholera	1 no cholera	1 koleratid har
1 ovcrstaaede cholera	1 of cholera	1 til epidemist	1 nye koleratilfelde	1 kolerabetrangte i	1 fra choleras	1 lhvlera epidemien	1 koleratiden propfulde
1 og epidemien	1 nod cholcraepidemicn	1 til epidemiff	1 nye choleratil	1 kdolcra epidemien	1 fra cholerabela	1 lcra epidemiens	1 kolera men
1 lignende epidemier	1 mnligen cholerasyge	1 til epidemi	l nogen kolerafyq	l i kolera	1 et cholerasmittet	1 kolera utgiften	1 kiobrnharn koleratid
1 kolera ombord	1 lil choleralazarethct	1 til cholerakomitcen	1 nogen cholerasyz	1 i choleratiden	1 epidemien planen	1 kolera udgiften	1 i koleratiden
1 kolera og	1 leraepidemien pengene	1 til cholerabetrængte	1 lazarelbet epidemien	1 i cholera	1 epidemien isominer	1 kolera tilfalde	1 hvor epidemien
1 kolerafyge og	1 kolerasyge i	1 te kolerabeirængte	1 koleratilfelde anmeldte	1 for epidemien	1 epidemien isoiiuner	1 kolera og	1 hvor cholerapatienter
1 koleraen som	1 koleras vpkor	1 strakkelige epidemi	1 kolera sygdommen	1 fer epidemien	1 epidemien i	1 koleraepitemien bar	1 herfiendecholera epidemi
1 koleraen harte	1 kolera hje	1 som typhnsepidemien	1 kolera spitemien	1 f choleraen	1 epidemien have	1 koleraen stegne	1 faaet kolera
	olerabetrængtes understott		1 kolera lpitemien	1 er choleras	1 epidemien da	1 kolera eller	1 faaet cholera
1 kolera broen	1 kolerabeiraengie faa	1 side cholera	1 kolera i	1 epidemien mistede	1 epidemie derefter	1 kolerabetrerngte i	1 eyolera epidemien
1 kolerabetrangte har	1 for cholerabetrængte	1 samme epidemi		epidemien lvrindrinfisli	-	1 kan epidemist	1 epidemi maa
1 kolera afdodea	1 for cholerabctrængte	1 rigeligt kolera	1 kolera er	1 epidemien isommer	1 enkelte cholerasyge	1 jndflriden choleraen	1 epidemien ved
1 koldfeber epidemier	1 epidemisk natur	1 of cholera	1 koleraepiteini at	1 epidemien har		olcraepidemien nodlidei	•
1 indtil choleraepidemien	-	1 nye choleralilfælde	1 koleraen har	1 epidemien fædrel	l de koleral	1 haarre cholera	1 epidemien idet
1 hvor cholera	1 epidemien vare	1 lom typhnsepidemien	1 koleraangrebne ere	1 epidemien belobe	1 de kolerabetrerngte	1 from cholera	1 epidemien have
1 holera epidemien	•	komme cholerabetrerngt	-	1 epidemien	1 dee choleraen	1 epidemist cholera	1 epidemien grasserede
	1 epidemien kjobenbavn	1 kolera undervejs	1 havne cholerafrie	1 epidemi deels	1 choleratilfa lde	1 epidemisk kolera	1 epidemien endnu
1 hbolcraepidemitn finants		l kolerasvge er	1 for cholerabetrængte	1 eet choleratilfalde	1 cholerasyge kunde	1 epidemiens tid	1 epidemic a
1 har choleraen	1 epidemien c	1 kolera stof	1 fdolera epidemien	1 de koleral	1 choleras udbrud	1 epidemien stedse	1 epidemic
1 gen epidemisk	1 epidemi at	1 kolera iali	1 epidemisk natur	1 choleratilfælde der	1 cholerasmittet sted	1 epidemiens ophor	1 druknede cholera
1 et choleralazareth	1 en choleraepidemie	1 kolera epidemien	1 epidemi saa	l choleratilfalde de	1 cholera og	1 epidemien mistet	1 de cholerabetrangte
1 et choleralazareth	1 eholera epidemien	1 koleraepidemi at	1 epidemien troede	1 choleratidan soger	1 cholera og 1 cholerahospi taler	1 epidemien jaaledcs	1 de cholera
1 epidemisk tfbaraftccr	1 eh leraepidemien	1 koleraepide micii	1 epidemien stort	1 cholera sil	1 cholera hjemsogte	1 epidemien jaaiedes 1 epidemien ikke	l ckolera c
1 epidemisk noarancer 1 epidemiske sygdom	1 demist cholera	1 koleraen og	1 epidemien renovalious		choleraepidemien ministere	•	1 cholera whether
1 epidemi har	1 de kolerabeiraengie	l koleraen bar	1 epidemien i	1 choleras njem 1	1 cholera epidemien	1 epidemien endnu	1 cholera whether
-	-		•		•	-	
1 epidemi gjorde	1 cholerasyge i	1 kolerabetrangie i	1 epidemien har	1 cholera morbus	1 cholera epidemie	1 epidemien as	1 choleratiden ved

409 410 411 412 413 414 415 416 Weel

6 epidemien i	4 the epidemic		3 of cholera		3 of cholera	5 epidemi som	
3 af epidemien	2 the cholera		3 efter epidemien		3 choleraen er	4 at cholera	
2 for choleras	2 lukkede choleralazareth	ı	3 cholera var		1 ve cholera	3 the epidemic	
2 choleras udbrud	2 epidemien i		3 cholera er		1 under epidemier	3 of cholera	
2 af kolera	2 choleralazareth atter		3 cholera		1 under epidemien	2 under epidemien	
2 af cholera	2 cholera epidemien		3 at cholera		1 uncer cholera	2 the cholera	
1 vedcholeraepide mien	2 cholera bitters		2 ved epidemiens		1 tillid choleraen	2 for cholera	
1 ved choleraen	2 cholera		2 under epidemien	4 the cholera	1 til cholera	2 cholera epidemi	
1 under llhoicrnepidemicr	2 af choleraepitemien		2 for epidemien	3 cholera is	1 the cholera	2 af cholera	
1 under epidemien	2 af cholera	3 cholera is	2 epidemien til	2 cholera bitters	1 that cholera	1 where cholera	
1 under cholera	1 ved choleraen	2 when cholera	2 epidemien naar	2 cholera	1 such epidemics	1 vtt epidemien	
1 to epidemic	1 under epidemien	2 cholera bitters	2 epidemien fra	1 when cholera	1 strbrerk koleraen	1 ved epidemien	
1 til cholerakomitcen	l under eholeraepidemier	2 cholera	2 cholera bitters	1 ved epidemiens	1 saalænge epidemien	1 to cholera	
1 the epidemic	1 to epidemic	1 ved epidemiens	2 cholera and	1 varste choleratid	1 om koleras	1 skulde choleraen	
1 the cholera	1 te cholerabe	1 varste choleratid	1 ved epidemien	1 typhus epidemie	1 om choleraen	1 prevailing cholera	
1 sin epidemiste	1 som epidemien	1 them cholera	1 ve cholerabetrcrngte	1 thc cholera	1 koleras r	1 owthat cholera	
1 sin epidemiske	1 som cholerasrygten	1 the cholera	1 uutfr choleraepitniiitu	1 sor epidemien	1 koleraen bragte	1 om cholera	
1 sidste epidemi	1 n cholera	1 store koleraepsdemien	1 tholera epidemien	1 om choleracns	1 hvor cholera	1 kolera epidemi	
1 sdolera epidemien	1 leraepidemie der	1 lukkede koleralozareih	1 the epidemic	1 of cholera	1 hindredes cholera	1 epidemien ved	2 i epidemien
1 om choleraens	1 ledes choleraepitemien	1 koleralozareih arier	1 the cholera	1 lhe cholera	1 foruden cholera	1 epidemien skjondt	2 epidemic and
1 of cholera	1 kolera og	1 koleraepsdemien har	1 som epidemiens	1 kolera ronrant	1 fatal epidemic	1 epidemien i	2 dreadful epidemic
l nyt cholera	1 ijavmoun epidemic	1 koleraen endnu	1 som epidemien	1 kolera i	1 epidemier medens	1 epidemien have 1 v	vedvarende choleraepidemie
1 mormoiiismen koleraen	1 hvor choleralusten	1 in cholera	1 osiatiste cholera	1 i choleratiden	1 epidemien stred	1 epidemic re	1 ved choleraepidemien
1 Ilhoicrnepidemicn have	1 hvor choleraen	1 har koleraen	1 on cholera	1 for cholerabetrcrngte	1 epidemien ialt	1 epidemic in	1 ved cholera
1 l epidemiske	1 hvem choleraepitemien	l foruden cholerapatienter	1 om cholera	1 fearful epidemic	1 epidemien i	1 epidemic ascustoma	1 til cholerakomitecn
1 kostbare cholera	1 herskende cholera	1 for epidemien	1 of epidemic	1 epidemiens llddrud	1 epidemics a	1 epidemic as	1 til choleraens
1 kolera stulde	1 har choleraen	1 epidemier fra	l odeloezgende epidemie	1 epidemien naar	1 epidemic of	1 eholera epidemi	1 the epidemic
1 kolera epi	1 gjennemgaaet cholera	1 epidemiens udbrud	1 nyt choleratilfælte	1 epidemie maae	1 dygtige choleralæger	1 den kolera	1 the cholera
1 koleraen bar	1 fra choleralazarethet	1 epidemien naar	1 noget choleratilfælde	1 epidemic now	1 dygtige choleralager	1 den cholera	1 særflilt cholera
1 kolera bfrederiksb	1 epidemien umiddel	1 du cholera	1 n cholera	1 c kolera	1 cholera which	1 de cholerabetrævgte	1 koleraen i
1 kolerabetrocngte i	1 epidemien og	1 drabende epidemier	1 mk eboleraepidemien	1 cholera which	1 cholera therq	1 de cholerabetrangte	1 kalde cholera
1 in epidemics	1 epidemien indsamlet	1 choleratid var	1 lukket kolera	1 cholera var	1 cholera paa	1 de cholerab	1 epidemien aftode
1 i choleraen	1 epidemien endvidere	1 cholera the	1 kolera vaiaret	1 choleratid var	1 cholera or	1 cruel epidemic	1 epidemien afdødes
1 gholeraepidemirn have	1 epidemic would	1 cholerapatienter havde	1 kolera opiteinien	1 choleratiden virket	1 cholera making	1 cholera we	1 epidemic the
1 for cholera	1 epidemic if	1 cholerapatienter bore	1 kolera er	1 cholera should	1 choleralæger ud	1 cholera tims	1 epidemic or
1 f cholera	1 epidemic has	1 cholera morbus	1 kolera epidemien	1 cholera has	1 choleralager ud	1 cholera smitte	1 epidemic have
1 epidemiste charaktecr	1 epidemic from	cholera lungebetændelser	r 1 koleraen kravete	Labalana an	1 cholera in	1 cholera paa	l end koleraen
1 epidemiske charakter	r epidenne irom	cholera fungebetænderser	i koleideli kiavete	1 cholera er	i choleia ili		
	1 epidemic cholera	1 cholera kjobenhavn	1 koleraen endnu	1 choleraen paa	1 cholera ii	1 cholera omkring	1 cholera omkring
1 epidemiske cbarakteer							1 cholera omkring 1 cholerakomitecn 1
	1 epidemic cholera	1 cholera kjobenhavn 1 cholera its	1 koleraen endnu	1 choleraen paa	1 cholera i	1 cholera omkring	-
	1 epidemic cholera 1 epidemic	1 cholera kjobenhavn 1 cholera its	1 koleraen endnu 1 hvor koleraen	1 choleraen paa	1 cholera i	1 cholera omkring 1 cholera is	1 cholerakomitecn l
1 epidemi er 1 e	1 epidemic cholera 1 epidemic choleraepidemien meddee	1 cholera kjobenhavn 1 cholera its tlte 1 cholera having	1 koleraen endnu 1 hvor koleraen 1 har koleraen	1 choleraen paa 1 choleraen 1 choleracpidcmien der	1 cholera i 1 cholera from 1 cholera forekomme	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has	1 cholerakomitecn 1 1 cholera hospital
1 epidemi er 1 e	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien	1 cholera kjobenhavn 1 cholera its tle 1 cholera having 1 choleraepid miei	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens	1 choleraen paa 1 choleraen 1 choleracpidcmien der 1 choleracns udbrud	1 cholera i 1 cholera from 1 cholera forekomme 1 cholera er	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has	l cholerakomitecn l l cholera hospital choleraepidemie og
1 epidemi er 1 e 1 epidemien ved 1 epidemien udgik	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien 1 de cholerasyge	1 cholera kjobenhavn 1 cholera its tle 1 cholera having 1 choleraepid miei 1 cholera appeared	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens 1 epidemiens udbrud	1 choleraen paa 1 choleraen 1 choleracpidcmien der 1 choleracns udbrud 1 choleracn bragte	1 cholera i 1 cholera from 1 cholera forekomme 1 cholera er 1 cholera epedimien	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 c	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende
1 epidemi er 1 e 1 epidemien ved 1 epidemien udgik 1 epidemien idet	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien 1 de cholerasyge 1 cholera while	1 cholera kjobenhavn 1 cholera its lte 1 cholera having 1 choleraepid miei 1 cholera appeared 1 cholera 1 blodgang cholera	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens 1 epidemiens udbrud 1 epidemiens ud	1 choleraen paa 1 choleraen 1 choleracpidemien der 1 choleraens udbrud 1 choleraen bragte 1 cholera but	1 cholera i 1 cholera from 1 cholera forekomme 1 cholera er 1 cholera epedimien 1 cholerae paa	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 cholera every	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende 1 cholera epidemien
1 epidemi er 1 e 1 epidemien ved 1 epidemien udgik 1 epidemien idet 1 epidemien ere	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien 1 de cholerasyge 1 cholera while 1 cholera was	1 cholera kjobenhavn 1 cholera its lte 1 cholera having 1 choleraepid miei 1 cholera appeared 1 cholera 1 blodgang cholera	I koleraen endnu I hvor koleraen I har koleraen I fra epidemiens I epidemiens udbrud I epidemiens ud I epidemiens ud	1 choleraen paa 1 choleraen 1 choleracpidemien der 1 choleraens udbrud 1 choleraen bragte 1 cholera but 1 choleraen bragte	1 cholera i 1 cholera from 1 cholera forekomme 1 cholera er 1 cholera epedimien 1 choleraen paa 1 cholera cr	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 cholera very 1 cholera er	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende 1 cholera epidemien 1 cholera epidemic
1 epidemier 1 e 1 epidemien ved 1 epidemien udgik 1 epidemien idet 1 epidemien ere 1 epidemien er	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien 1 de cholerasyge 1 cholera while 1 cholera was 1 cholera ud	1 cholera kjobenhavn 1 cholera its Ite 1 cholera having 1 choleraepid miei 1 cholera appeared 1 cholera 1 blodgang cholera 1 before cholera	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens 1 epidemiens udbrud 1 epidemiens ud 1 epidemiens folger 1 epidemiens begyndelse	1 choleraen paa 1 choleraen 1 choleracpidemien der 1 choleracns udbrud 1 choleracn bragte 1 cholera but 1 cholera but 1 cholerabetrerngte i 1 cholera	1 cholera from 1 cholera from 1 cholera forekomme 1 cholera er 1 cholera epedimien 1 choleraen paa 1 cholera cr 1 cholera cr	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 cholera every 1 cholera er 1 cholera epidemien	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende 1 cholera epidemien 1 cholera epidemic 1 cholera epidemic
l epidemi er l e l epidemien ved l epidemien udgik l epidemien idet l epidemien ere l epidemien er	I epidemic cholera I epidemic choleraepidemien meddee I eholera epidemien I de cholerasyge I cholera while I cholera was I cholera ud I cholerayge end	I cholera kjobenhavn I cholera its lte I cholera having I choleraepid miei I cholera appeared I cholera I blodgang cholera I before cholera I asiatic cholera	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens 1 epidemiens udbrud 1 epidemiens folger 1 epidemiens begyndelse 1 epidemien ramte	1 choleraen paa 1 choleraen 1 choleracpidcmien der 1 choleracns udbrud 1 choleracn bragte 1 cholera but 1 cholera but 1 cholerabetremgte i 1 cholera	I cholera i I cholera from I cholera forekomme I cholera er I cholera epedimien I cholera paa I cholera cr I cholera cr I cholera bitters I cholera bettrwngte	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 cholera every 1 cholera er 1 cholera er	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende 1 cholera epidemien 1 cholera epidemic 1 choleraepidemic 1 choleraens ophør
l epidemi er 1 e l epidemien ved l epidemien udgik l epidemien idet l epidemien ere l epidemien er l epidemien are l epidemien er	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien 1 de cholerasyge 1 cholera while 1 cholera was 1 cholera ud 1 cholerasyge end	I cholera kjobenhavn I cholera its dte I cholera having I cholerapid miei I cholera appeared I cholera I blodgang cholera I before cholera I asiatic cholera I any cholera	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens 1 epidemiens udbrud 1 epidemiens ud 1 epidemiens folger 1 epidemiens begyndelse 1 epidemien ramte 1 epidemien i	1 choleraen paa 1 choleraen 1 choleracpidemien der 1 choleracns udbrud 1 choleracn bragte 1 cholera but 1 cholera but 1 cholerabetremgte i 1 cholera 1 at cholera	I cholera i I cholera from I cholera forekomme I cholera er I cholera epedimien I cholera epaa I cholera cr I cholera cr I cholera bitters I cholera betrwngte I cholera betremgt	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 cholera every 1 cholera er 1 cholera er 1 cholera every	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende 1 cholera epidemien 1 cholera epidemic 1 choleraens ophør 1 choleraens ankomst 1 cholera en
l epidemier l e l epidemien ved l epidemien udgik l epidemien idet l epidemien ere l epidemien er l epidemien sabitual l epidemic i l epidemic from	1 epidemic cholera 1 epidemic choleraepidemien meddee 1 eholera epidemien 1 de cholerasyge 1 cholera while 1 cholera was 1 cholera ud 1 cholerasyge end 1 cholerasyge end 1 cholerasygten havde 1 cholera og	1 cholera kjobenhavn 1 cholera its lte 1 cholera having 1 choleraepid miei 1 cholera appeared 1 cholera 1 blodgang cholera 1 before cholera 1 asiatic cholera 1 any cholera 1 alle cholerapatienter	1 koleraen endnu 1 hvor koleraen 1 har koleraen 1 fra epidemiens 1 epidemiens udbrud 1 epidemiens ud 1 epidemiens folger 1 epidemiens begyndelse 1 epidemien ramte 1 epidemien i 1 epidemien have	1 choleraen paa 1 choleraen 1 choleracpidemien der 1 choleracns udbrud 1 choleracn bragte 1 cholera but 1 cholera but 1 cholerae 1 at cholerae 1 at cholerae 1 at cholera	I cholera i I cholera from I cholera forekomme I cholera er I cholera epedimien I cholera epaa I cholera cr I cholera bitters I cholera betrwngte I cholera betrwngte I cholera betrcmgt I cholera	1 cholera omkring 1 cholera is 1 cholera in 1 cholera has 1 cholera har 1 cholera every 1 cholera e er 1 cholera e pidemien 1 choleraen være 1 choleraen uære 1 choleraen tære 1 cholerab trangt	1 cholerakomitecn 1 1 cholera hospital 1 choleraepidemie og holeraepidemien nodlidende 1 cholera epidemien 1 cholera epidemic 1 choleraepidemic 1 choleraens ophør 1 choleraens ankomst 1 cholera en 1 an epidemic

417 418 419 420 421 422 423 424 Week

6 the cholera 3 le cholera 2 le cholera 2 var choleraen 2 ie cholera 2 the cholera 2 from cholera 2 from cholera 2 epidemic and 2 choleraen paa 2 afgaaetpaa cholera 2 cholera washed 2 epidemic the 1 under epidemien 2 cholera i 1 which epidemieu 2 cholera her 1 unoer ckoleraepide 1 under choleraepidemier 1 under choleraepidemien 2 cholera epidemio 1 the cholera 1 the epidemic 2 cholera ct 1 predominant epidemic 1 that cholera 2 cholera and 1 obolera epidemien 1 late epidemic 1 with cholera 1 kundskab cholera 1 korte epidemi 1 was cholera 1 kolerasygdom al 1 kolera til 1 kolera har 1 this epidemic 1 koleraen nu 3 i choleratiden 1 simple cholera 1 indiraffnide kolerasygdom 1 kartoffel epidemien 2 paa choleralazarethet 1 propageant cholera 1 had cholera 1 ingen cholera 2 fra epidemiens 1 paa choleraens 1 fourteen cholera 1 hvilke choleraepidemien 1 om choleraens 1 for cholera 1 er cholera 2 epidemiens begyndelse 1 flodige cholera 2 choleralazarethet i 1 modvirke cholera 1 fende cholerasygdom 1 epidemien til 2 cholerabetrængte paa 1 epidemieu i 1 epidemien stiftede 1 with cholera 1 lc cholera 1 epidemien kom 1 epidemien it 3 farlige epidemi 1 ved choleraens 1 kundskab cholera 1 epidemien almindelig 2 epidemi der 1 epidemien dels 1 var choleraepidemien 1 icholeratiden befordret 1 epidemic must 1 epidemien 1 the epidemic 1 under epidemien 1 even cholera 1 epidemic are 1 epidemic 1 sarlige cholera 1 under choleraepidemien 1 er icholeratiden 1 da cholera 1 disastrous epidemic 1 ovennævnte cholera 1 epidemien udbyttet 1 kommende epidemi 1 kolera epidemi 1 ckoleraepide mien 1 de cholerasyge 1 koleraen i 1 epidemic i 1 cholera washed 1 de cholerabetrængt 1 kolera vpidemi 1 kolera en 1 cholera udbrudt 1 inden choleraen 1 enkelte choleratilsa 1 cholera w 1 kalde kolera 1 cholerasyge behandle 1 ifald choleraen 1 hvilke choleraen 1 du cholera 1 cholera t 1 cholera som 1 hvor choleraen 1 epidemi udbetalte 1 cholera paa 1 hvilke choleradods 1 des cholera 1 cholerasygdom at 1 epidemien maatte 1 de cholerabetrangte 1 cholera quoique 1 cholera onfler 1 farlige kolera 1 cholera ligesom 1 farlige ehvleraepidemi 1 epidemi dar 1 de cholera 1 cholerapatienter snarest 1 epidemic and 1 cholera who 1 cholera ncrsten 1 cholera is 1 er epidemisk 1 epidemi udviklede 1 ent koleraen 1 choleratilsa lde 1 cholera le 1 choleraepidemien var 1 dreadful epidemic 1 cholerasymptomerne ja 1 choleraepidemien have 1 epidemi ter 1 epidemisk udbydernes 1 choleratiden tilsendte 1 cholera souvent 1 cholera lazarethet 1 cholerabetrængte paa 2 cholera epidemien 1 epidemic for 1 cholera patients 1 cholera her 1 koleraen optagne 3 som epidemi 1 choleratiden befordret 1 choleranatienter snarest 1 cholera har 1 at koleraen 1 kartoffelepidemien almindelig 2 epidemi paa 1 É epidemi 1 choleraepidemien i 1 cholera mixture 1 cholera froclama 1 fsrgelige cholera 1 ehvleraepidemi udviklede 1 at kolera 2 epidemi og 1 choleraepidemien godt 1 cholera lc 1 cholera est 1 at cholera 1 for kartoffelepidemier 1 var kolera 1 cholera terrain 1 choleraens optråden 1 cholera er 1 vare choleratilfældene 1 choleraen var 1 cholera lazarethet 1 as kolera 1 epidemi var 1 choleraen nu 1 cholera kom – 1 choleraepidemien vppebaarne 1 asiatisk cholera 1 epidemien nodlidende 1 the epidemic 1 choleraen hjemsogte 1 kolera faaletes 1 choleraen atter 1 cholera being 1 cholera it 1 cholera epidemic 1 as cholera 1 epidemien flsfe 1 cholera after 1 choleraic hut 1 choleraen nu 1 anledning afcholeraen 1 epidemien den 1 fom epidemi 1 i choleraepidemien 1 choleradotssald udgjor 1 cholera 1 cholera having 1 af epidemien 1 eholera epidemien 1 de cholerabetrængte 1 choleradods faldenes 1 choleraen bar 1 epidemien mistede 1 bastende kolera 1 cholera har 1 cholera certifieater 1 af choleraen 1 af koleraen 1 choleratilfældene paa 1 cholerabetrængte paa 1 af choleradotssald

425 426 427 428 429 430 431 432 Weeks

5 af cholera

2 cholera paa

1 under choleraepidcmicn

1 the epidemic

1 overstandne choleraepi

1 ogsaa choleraepidemien

1 ogsaa choleraepide

1 ogsaa cholcraepidemien

1 of cholera

1 mod cholera

1 koleraepidemi udviklede

1 herstende cholera

1 gjentaget cholerabcsog

1 for choleraens

1 farlige koleraepidemi

1 farlige epidemi

1 farlige choleraepitemi

1 et choleradodssald

1 et choleradodsfald

1 epidemi udbetalte

1 epidemi ter

1 epidemic lias

1 cholera vnfler

1 cholera ligesom

1 cholera in

1 choleraepitemi udviklede

1 choleraepidemien har

1 choleraepide mien

1 choleraepi demi

1 cholera epidemi

1 choleraepidcmicn ud

1 choleraens storre

1 choleraen ikke

1 choleradodssald den

1 cholera dodssald 1 of cholera 1 choleradodsfald paa 1 l cholerafvgc

1 choleradodsfald d 1 interimistisk cholera

1 cholerabcsog ere 1 cholera lazareth
1 cholcraepidemien har 1 cholera is

1 at choleraen 1 cholerafygc paa

1 as cholera 1 choleraen anskaffede

1 af choleradodsfald 1 af choleraen

33 434 Weeks