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

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Introduction

Inspired by the fact that we are all hiding away from the Covid-19 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. My first impulse was to analyze the Spanish flu 1918, but since we have as yet little data in our public corpora from that period I turned my attention to the Cholera epidemic in Copenhagen 1853. At the time, Copenhagen had around 130.000¹ 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 baracks, 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.²

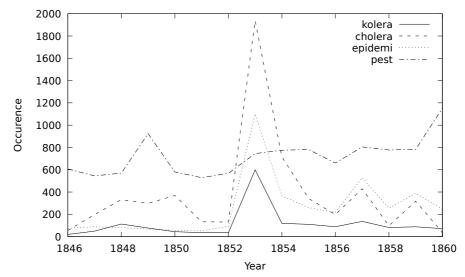


Figure 1. Number of newspaper pages mentioning any of the words kolera, cholera, epidemi or pest.

¹ http://www2.kb.dk/udstillinger/medhist/kolera/koebenhavn1853.htm

² Translated by the author. https://bit.ly/3cOzlAg

The epidemic spread from Copenhagen to other areas. Outside the capital 1.951 fatal cases were reported.³

The spread of an infectious disease does not occur in a vacuum; the Copenhagen epidemic is a part of the cholera pandemic (1846-1860)⁴ which is the third out of seven global outbreaks.⁵

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 bigrams extracted from the corpus.

The data

The data was retrieved from Royal Danish Library's LOAR Repository.⁶ It comes in csv format, aggregated to yearly chunks. Each line is basically corresponding to one page of text in the 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 $file | tr -d '[:alpha:][:punct:]')
    kolera=$(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

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. Almost certainly the people felt like we do: Will it ever be the same again? That is based on the fact that the article count in Figure 1 never really decreases to counts before the cholera outbrak. (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 more widely used in Danish at the time, possibly as something annoying but also as epidemic disease in general.

³ https://da.wikipedia.org/wiki/Koleraepidemien_i_K%C3%B8benhavn_1853

⁴ https://en.wikipedia.org/wiki/1846%E2%80%931860_cholera_pandemic

⁵ https://en.wikipedia.org/wiki/Cholera_outbreaks_and_pandemics

⁶ Newspapers from Royal Danish Library https://loar.kb.dk/handle/1902/157

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. 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.)

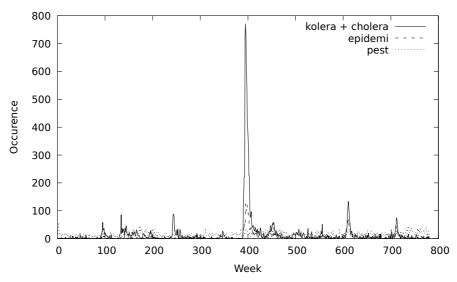


Figure 3. Here I use tokenized text, i.e., there is only one word per line, and I also aggregated the texts by week.

Bigrams and 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.⁷ 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*⁸ 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

⁷ https://en.wikipedia.org/wiki/N-gram

⁸ http://doc.cat-v.org/unix/for-poets/

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, 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 bortfalden
cholera er cadetfiibs
cholera ere altsaa
cholera ere berovede
```

The rest of this paper consists of a visualizations

- 1. of the third word in trigrams starting with *kolera* or *cholera i*. The third word is more often than not a place name. Repetitions are excluded, so the heights of the bars are more measures of diversity rather than abundance.
- 2. of 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
```

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.

https://en.wikipedia.org/wiki/Pic_language

Cholera i

| | 1 | | | | | tydskland | | | | | | |
|---|---------------|--------------------|-------------|----------|-----------|------------------------|-------------------|------------|---------|----------------------|--------------|------|
| • | | | | | | temmelig | | | | | | |
| | | | | | | taarnby | | | | | | |
| | | | | | | taarbek | | | | | | |
| | | | | | | sverrig | | | | | | |
| | | | | | | svendborg | | | | | | |
| | | | | | | svanike | | | | | | |
| | | | | | | stockholm | | | | | | |
| | | | | | | stock | | | | | | |
| | | | | | | smetmester | | | | | | |
| | | | | | | skovshoved | | | | | | |
| | | | | | | skagen | | | | kjobenhavn | | |
| | | | | | | sidste | | | | kjobenhavn | | |
| | | | | | | rusland | | | | kjøbsnliavn | | |
| | | | | | | rasmus | | | | kbhavn | | |
| | | | | | | provindserne | | | | slagelse | | |
| | | | | | | patient | | | | s | | |
| | | | | | | nykiobing | | | | rbhavn | | |
| | | | | | | morges | | | | fre | | |
| | | | | | | lyogbv | buen | | | portugal | | |
| | | | | | | lubeck | den | | | idornsr | | |
| | | 17 | | | | looerdags | wilster | | | svendborg | | |
| | | galizteu dublin | | | | lolland | sebastopol | | | skjelskor jrvrsvr | | |
| | de | dublin | staden | | | liverpool landsbyen | regelen | | | nr | | |
| | london | | saa | | | lands | frygtelig vort | | | rjobenhavu | | |
| | smitte | graveiand | saa | | | landet | til | | | portugal | | |
| | hamborg | op petersborg | bandholm | | | kiobenhavn | stockholm | | | europa | | |
| | hamborg | starkt | malmo | | | kiobenbavn | newyork | | | kjobenhavn | | |
| | alle | den | malmø | | | hvilken | madrid | | | portugal | | |
| | de | lang | berlin | | | hovedstaden | rutschuk | | | klvrsvr | | |
| | hamborg | deres | hamborg | | | horns | selve | | | byen | | |
| | helsingfors | sl | hamborg | | | hoislef | armeen | | | aabenraa | | |
| | de | paris | lubeck | | | havana | | | | sverrig | | |
| | rusland | paris | berlin | | | halmen | jor | | | korsør | | |
| | rusland | den | malms | | | frederikshavn | konstantinopel | | | korsor | | |
| | petersborg | peterssy | henhold | | | eifra | extending | | | korsoer | | |
| | a | den | toplitz | | | denne | london | rhkjpbiug | | gliickstadt | lybek | |
| | et | den | tbplch | smit | von | christiania | metiko | wien | | og | casymirdalen | |
| | stadig | det | t | lcrngere | polen | byen | mertev | kjobenhavn | egnen | korsser | norsk | |
| | peters | warfch | ben | en | posen | almindelighed | ict | kbbavn | byen | jtzehoe | byen | |
| | petersborg | alt | tiltagende | cannot | flere | aasted | dtommelse | berlin | st | sverrig | tirsdags | |
| | sammenligning | asta | panama | band | kredsene | aarhuus | stockholm | gefle | lu | gliicksladt | gluckstadt | |
| | cn | ver | begyndelsen | sommeren | saa | aaret | sroctbolm | saa | liibeck | europa | gliickstadt | |
| | de | berg | halberstadt | bergen | aftagende | aalborg | christiania | n | en | april | lemberg | |
| | | | | | | | | | | | | |
| | 1848 | 1849 | 1850 | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1857 | 1858 | Year |
| | | | | | | | | | | | | |

| Y | | | | | | | | |
|---|----------------------|----------------------|----------------------|----------------------|-------------------|------------------------|--------------------------|----------------------|
| | | | | | | 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 | 2 choleraens udbrud | 2 cholera og |
| | | | | | | 1 hastende cholera | 2 cholera der | 2 cholera men |
| | | | | | | 1 fsrste cholera | 2 cholera angreben | 2 cholera kornmaaler |
| | | | | | | 1 for cholerapatienter | 2 choleraagtige tilfalde | 2 cholera i |
| | | 1 the epidemic | | | | 1 for cholera | 2 cholera | 2 cholera epidemi |
| | | 1 that epidemic | | | | 1 faakaldte epidemiske | 2 at choleraen | 2 choleraen synes |
| | | 1 fever epidemic | | | | 1 erholdes cholera | 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 cholera | 1 vare kolera | 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 a kolera |
| | 1 almindelig epidemi | 1 almindelig epidemi | 1 en epidemi | 1 bornekoppe epidemi | 1 cholera aarene | 1 epidemi gangse | 1 udbredte epidemies | 2 af koleraen |
| | | | | | | | | |

385 386 387 388 389 390 391 392 Weel

| 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 | cholerapatienter anmeldt | te 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 tilfæld | 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 | 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 | t 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 | 3 nye choleratilfælde | 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 udbrudt cholera | 3 epidemiens begyndelse |
| 2 choleraens udbredelse | 2 kolera dorthea | 4 cholera af | 3 er epidemien | 3 choleratilfælde anmeld | t 3 imod cholera | 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 asiatifl cholera | 2 fik cholera | 3 kolera kolera | 3 en epidemie | 3 at choleraen | 3 epidemiens udbredelse | 3 kolera | 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 | 2 epidemiens udbrud | 3 epidemiens standsning | 3 cholerasyge af | 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 Weel

| 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 af cholera | 4 ved cholera | 4 epidemien en |
| 12 cholera og | 6 epidemien har | 11 as cholera | 5 epidemien have | 3 under epidemien | | • | 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 kolera i | 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 ved choleraen | - | 2 under choleraepidemier | |
| 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 hyppigt choleralignende | | 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 choleraepidemier | 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 choleracpidemier | 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 cholerabetrerngte | 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 | rae 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 |

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| 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 | under choleraepidemier | 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 choleracpideniien | 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 cholerabctrangte | 1 koleral etrcrngtc | 1 under koleraepitemien | 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 cholcraepidemier | 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 | sommer herfiendecholera |
| 1 to cholera | 1 under choleraen | 2 af kolera | 1 som ihyvhiioepidemicn | 1 kolera til | 1 kolerabetrerngte i | 1 til choleraens | 1 og epidemien |
| 1 til cholerakomitecn 1 | under choelraepidemier | 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 herflende choleracpidemi | i 1 og epidemien | 1 lite epidemic |
| 1 te kolerabetrangte | 1 paa choleralazarethet | 1 under chvleraepidemieu | 1 rpitemifl kolera | 1 koleraen i | 1 haster choleraen | 1 og choleralæger | 1 kunde epidemien |
| 1 sor cholerabctrcengtc | 1 og cholerariden | 1 under choleracpidemien | 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 | 1 nogen kolerafyq | 1 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 | l 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 | 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 |
| 1 koleraen har 1 ko | lerabetrængtes understot | telje 1 som epidemi | 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 | 1 kolerafyq de 1 | epidemien lvrindrinfisli | si 1 epidemi dp | 1 kan epidemist | 1 epidemi maa |
| 1 kolera afdodea | 1 for cholerabctrængtc | 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 | 1 eholera epidemi 1 ho | olcraepidemien nodliden | des 1 epidemien tvrlc |
| 1 indtil choleraepidemien | 1 epidemisk kolera | 1 nye choleralilfælde | 1 koleraen har | 1 epidemien fædrel | 1 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 | 1 epidemien nu 1 | komme cholerabetrcrngt | el ihyvhiioepidemicn for | 1 epidemien | 1 dee choleraen | 1 epidemist cholera | 1 epidemien grasserede |
| 1 herskende cholera | 1 epidemien kjobenbavn | 1 kolera undervejs | 1 havne cholerafrie | 1 epidemi deels | 1 choleratilfa lde | 1 epidemisk kolera | 1 epidemien endnu |
| 1 hbolcraepidemitn finants | 1 epidemien i | 1 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 | 1 choleratilfalde de | 1 cholera og | 1 epidemien mistet | 1 de cholerabetrangte |
| 1 et choleralazareth | 1 eholera epidemien | 1 koleraepidemi at | 1 epidemien troede | 1 choleratiden soger | 1 cholerahospi taler | 1 epidemien jaaledcs | 1 de cholera |
| 1 epidemisk tfbaraftccr | 1 eh leraepidemien | 1 koleraepidc micii | 1 epidemien stort | 1 cholera sil | 1 cholera hjemsogte | 1 epidemien ikke | 1 ckolera c |
| 1 epidemiske sygdom | 1 demist cholera | 1 koleraen og | 1 epidemien renovalious | 1 choleras hjem 1 | choleraepidemien ministere | en 1 epidemien har | 1 cholera whether |
| 1 epidemi har | 1 de kolerabeiraengie | 1 koleraen har | 1 epidemien i | 1 cholera og | 1 cholera epidemien | 1 epidemien endnu | 1 cholera were |
| 1 epidemi gjorde | 1 cholerasyge i | 1 kolerabetrangie i | 1 epidemien har | 1 cholera morbus | 1 cholera epidemie | 1 epidemien as | 1 choleratiden ved |
| | | | | | | | |

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| 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 Ilhoicrnepidemicn | 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 | 1 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 cholerabetrerngte | 1 the 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 ledes choleraepitemien | | 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 |
| 1 nyt cholera | 1 ijavmoun epidemic | 1 koleraen endnu | 1 som epidemien | 1 kolera i | 1 epidemier medens | • | vedvarende choleraepidemie |
| 1 mormoiiismen koleraen | | 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 |
| | | I foruden cholerapatienter | | 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 | | 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 | l cholera lungebetændelse | 1 koleraen kravete | 1 cholera er | 1 cholera in | 1 cholera paa | 1 end koleraen |
| 1 epidemiske charakter | 1 epidemic cholera | 1 cholera kjobenhavn | 1 koleraen endnu | 1 choleraen paa | 1 cholera i | 1 cholera omkring | 1 cholera omkring |
| 1 epidemiske cbarakteer | 1 epidemic | 1 cholera its | 1 hvor koleraen | 1 choleraen | 1 cholera from | 1 cholera is | 1 cholerakomitecn l |
| 1 epidemi er 1 e | holeraepidemien meddee | elte 1 cholera having | 1 har koleraen | 1 choleracpidemien der | 1 cholera forekomme | 1 cholera in | 1 cholera hospital |
| 1 epidemien ved | 1 eholera epidemien | 1 choleraepid miei | 1 fra epidemiens | 1 choleracns udbrud | 1 cholera er | 1 cholera has | 1 choleraepidemie og |
| 1 epidemien udgik | 1 de cholerasyge | 1 cholera appeared | 1 epidemiens udbrud | 1 choleracn bragte | 1 cholera epedimien | 1 cholera har 1 c | holeraepidemien nodlidende |
| 1 epidemien idet | 1 cholera while | 1 cholera | 1 epidemiens ud | 1 cholera but | 1 choleraen paa | 1 cholera every | 1 cholera epidemien |
| 1 epidemien ere | 1 cholera was | 1 blodgang cholera | 1 epidemiens folger | 1 cholerabetrcrngte i | 1 cholera cr | 1 cholera er | 1 cholera epidemic |
| 1 epidemien er | 1 cholera ud | 1 before cholera | 1 epidemiens begyndelse | 1 cholera | 1 cholera bitters | 1 cholera epidemien | 1 choleraens ophør |
| 1 epidemics habitual | 1 cholerasyge end | 1 asiatic cholera | 1 epidemien ramte | 1 at choleracpidcmien | 1 cholera betrwngte | 1 choleraen være | 1 choleraens ankomst |
| 1 epidemic i | 1 cholerasrygten havde | 1 any cholera | 1 epidemien i | 1 at cholera | 1 cholera betrcrngt | 1 choleraen atter | 1 cholera en |
| 1 epidemic from | 1 cholera og | 1 alle cholerapatienter | 1 epidemien have | 1 asiatiske cholera | 1 cholera | 1 cholerab trangt | 1 an epidemic |
| 1 eholera epidemien | 1 choleralusten syntes | 1 af choleraepid | 1 epidemien bleve | 1 af kolera | 1 bukning cholera | 1 cholerabetrævgte paa | 1 af choleraens |
| 1 eholcra epidemien | 1 choleralazarethet ved | 1 af cholera | 1 epidemie der | 1 afbrak choleracn | 1 at choleraen | 1 cholerabetrangte paa | 1 af cholera |
| | | | | | | | |

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 cholera washed 2 afgaaetpaa cholera 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 this epidemic 1 kolera har 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 2 epidemiens begyndelse 1 om choleraens 1 for cholera 1 er cholera 2 de cholerabetrængte 1 of cholera 1 epidemi som 1 flodige cholera 2 choleralazarethet i 1 modvirke cholera 1 fende cholerasygdom 1 epidemien til 2 cholerabetrængte paa 1 lie cholera 1 epidemieu i 1 epidemien stiftede 1 epidemien it 1 with cholera 1 lc cholera 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 sarlige cholera 1 under epidemien 1 even cholera 1 epidemic are 1 epidemic 1 disastrous epidemic 1 kolera epidemi 1 epidemien udbyttet 1 ckoleraepide mien 1 de cholerasyge 1 kommende epidemi 1 koleraen i 1 epidemic i 1 cholera washed 1 de cholerabetrængte 1 kolera vpidemi 1 kolera en 1 enkelte choleratilsa 1 cholera w 1 cholera udbrudt 1 inden choleraen 1 kalde kolera 1 en cholera 1 ifald choleraen 1 cholera that 1 cholerasyge behandle 1 hvilke choleraen 1 du cholera 1 cholera t 1 cholera som 1 hvor choleraen 1 cholera paa 1 hvilke choleradods 1 epidemi udbetalte 1 des cholera 1 cholerasygdom at 1 epidemien maatte 1 de cholerabetrangte 1 cholera quoique 1 cholera onfler 1 farlige kolera 1 farlige ehvleraepidemi 1 epidemi dar 1 de cholera 1 cholerapatienter snarest 1 cholera ligesom 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 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 choleratiden i 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 ehvleraepidemi udviklede 1 at kolera 1 fsrgelige cholera 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 de cholerabetrængte 1 choleradods faldenes 1 choleraen bar 1 af epidemien 1 eholera epidemien 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 Weel

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 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 cholera lazareth 1 cholerabcsog ere 1 cholera is 1 cholcraepidemien har

1 cholerafvgc paa 1 at choleraen

1 choleraen anskaffede 1 af choleradodsfald 1 af choleraen

Weeks