



Keeping up with The Times

Global public health surveillance with local news text analytics



- News?
- Natural language
- GPHIN

SUNSHINE COAST NEWS

Home

News

Opinion

Lifestyle

Property

Learning

Council

Business


Community

Subscribe

Independent and FREE – 2021 Best Online Publication (Qld Country Press)

HOME / COUNCIL

Material containing asbestos revealed by erosion: beach area closed




The area was cordoned off on Wednesday, before large fences were also erected.


BY STEELE TAYLOR / 20 JANUARY 2023

GET NEWS ON YOUR PHONE FREE

CLICK HERE



DO YOU HAVE A NEWS TIP? [CLICK HERE](#) TO SEND TO OUR NEWS TEAM.



Erosion at a popular Sunshine Coast beach has uncovered material containing asbestos.

Onlookers were surprised to see people in hazmat suits collecting samples along Golden Beach on Tuesday.

The area was cordoned off and signs were erected, warning of asbestos.

A Sunshine Coast Council spokesperson confirmed the presence of the potentially dangerous substance.

“Material, containing asbestos, has been exposed at Golden Beach at the eastern end of Onslow Street, also known as TS Onslow Australian Navy Cadets,” the spokesperson said.

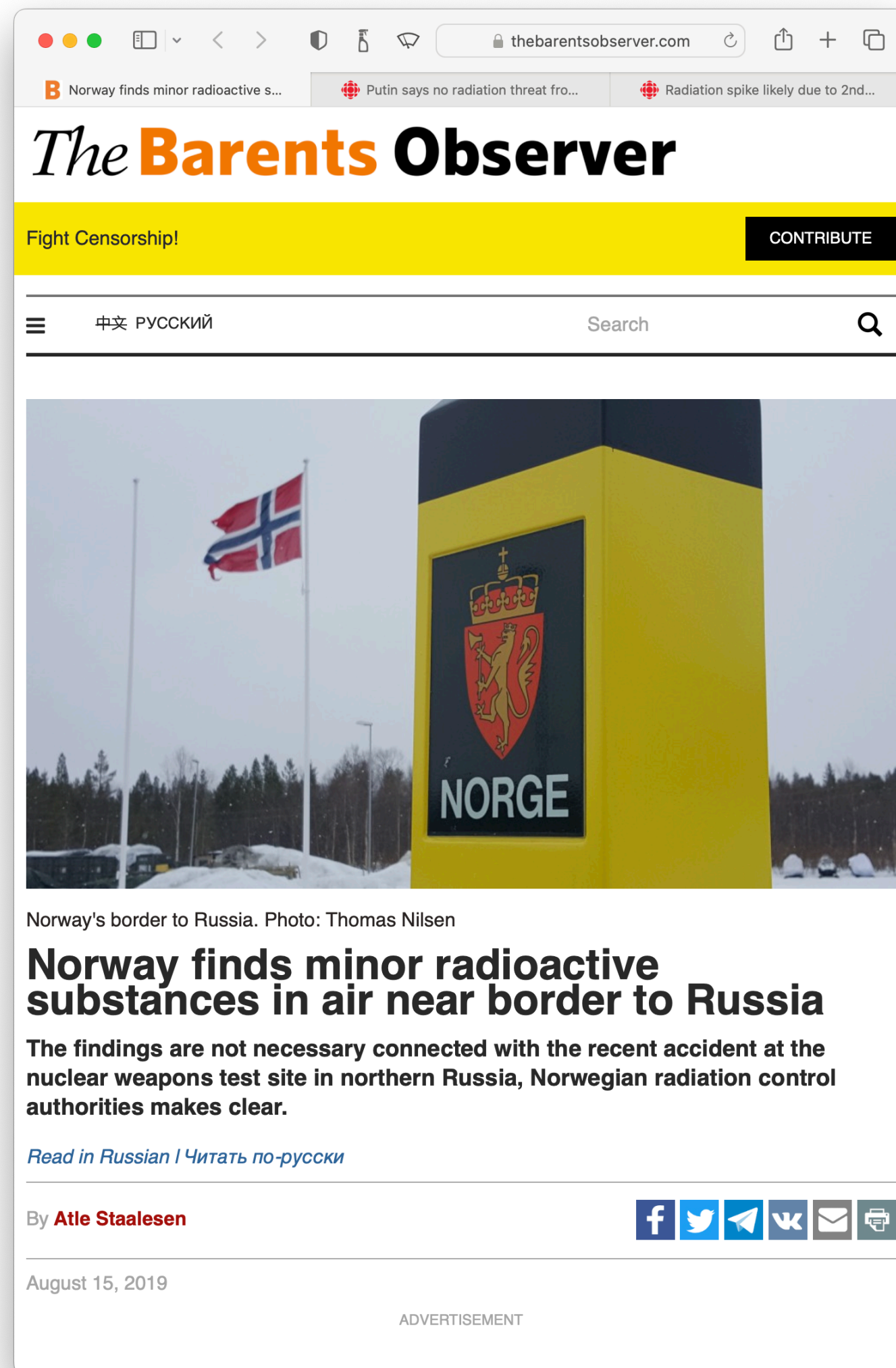
“It has been covered for a significant amount of time and only recently exposed due to swell and summer king tides in the passage causing shore bank erosion.”

It’s believed the material has been covered by the bank for decades.

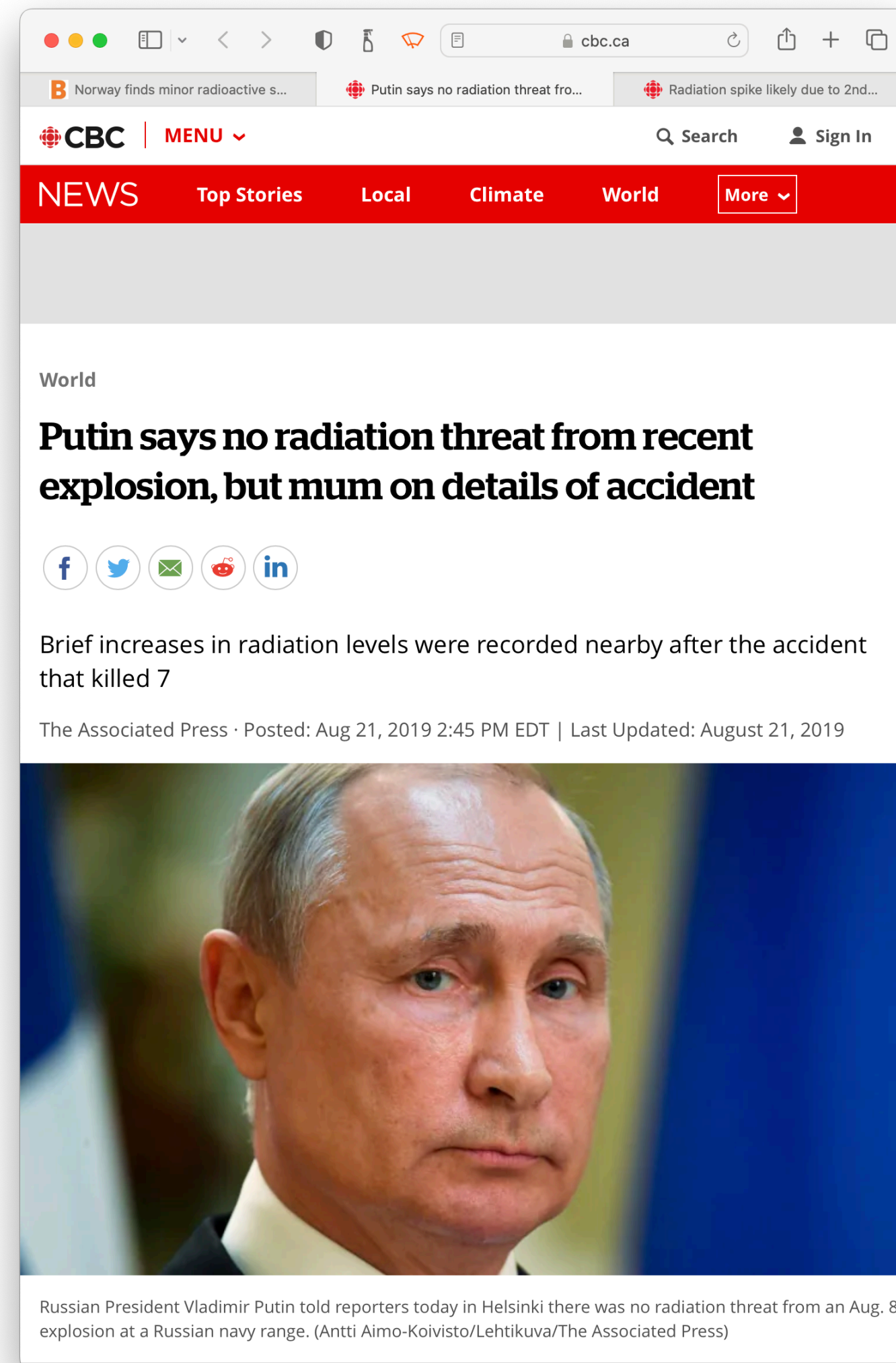
“The exact origins of the material are unknown at this time; however, early observations indicate that it appears to be in historical fill,” the spokesperson said.



Not just for infectious disease
(but it's great for that too)



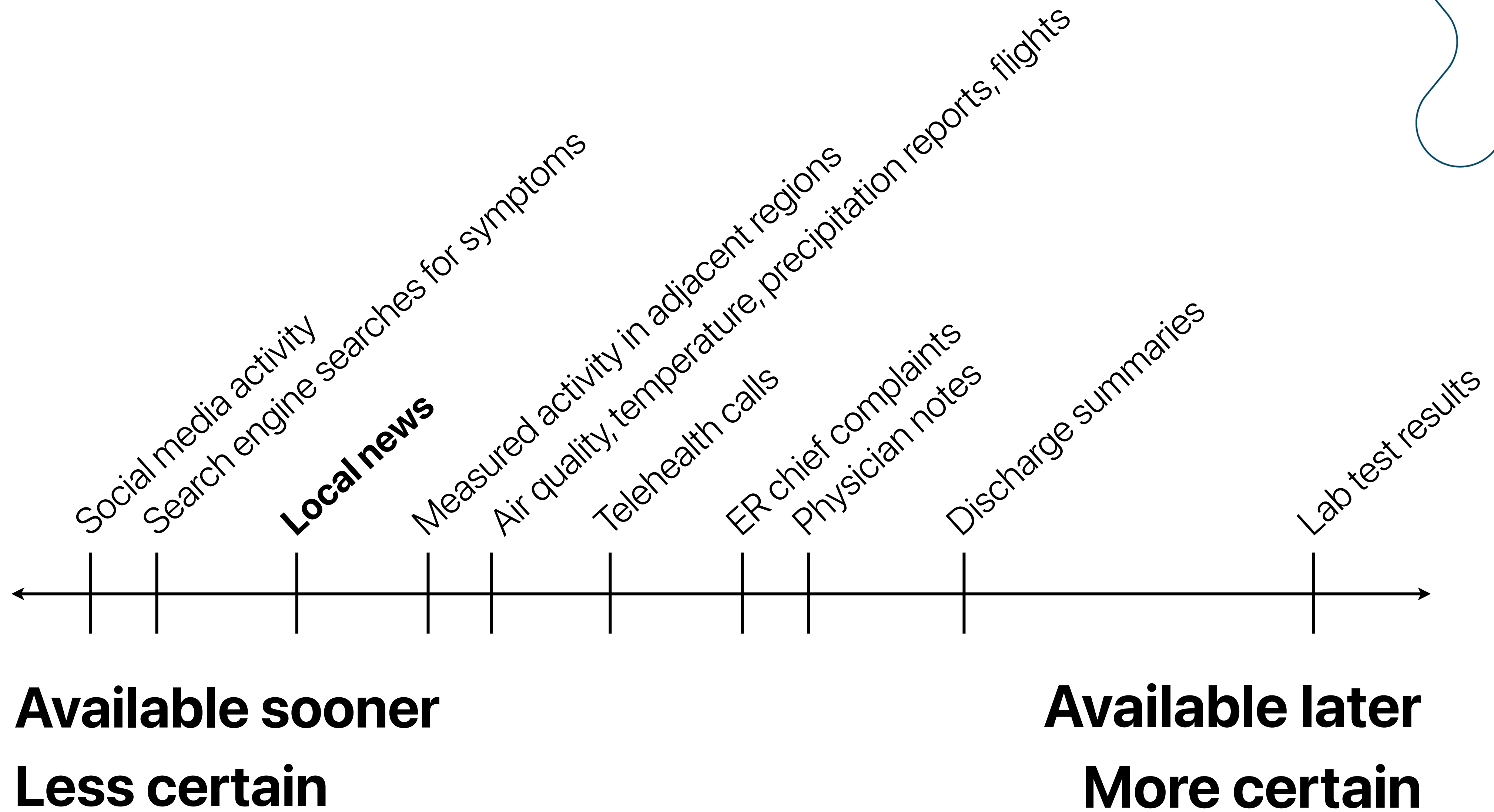
2019.08.15



2019.08.21



2019.08.23



“Seven infections in The South China Seafood Market, but still **open** normally”
2019-12-31

gphin.canada.ca

MfPH Workshop on Early Warning Systems for Emerging and Re-emerging... News Releases - Mississippi State Department of Health Published - GPHIN

All languages Published Pending Trash

Filter Results

Use existing query: (custom) Or import query in JSON format: Import query

Date received between 2019-12-31 and 2020-01-01 AND Location is Wuhan (Title contains (exact match) open OR Title contains (exact match) closed)

Raw query (Learn more)

Search Clear

Save query Delete query (disabled) Set as default Export query

Show Map and Graph

Show 10 entries

Copy CSV Print Collate Knowledge graph

Showing 1 to 8 of 8 entries

	Title		Publication Name	Source Language	Relevance	
2020-01-01 23:01 UTC	Wuhan unexplained pneumonia, the epidemic area is closed	✓	南洋商報 (繁體) Nanyang Siang Pau/Nanyang Business Daily	ZH	0.95	HAO
2020-01-01 20:41 UTC	Wuhan explosive pneumonia seafood market closed for rectification; Revealed to sell game, animal viscera is placed everywhere	✓	香港經濟日報 (繁體) The Hong Kong economic times	ZH	1.00	HAP
2020-01-01 20:17 UTC	Wuhan-related seafood market closed for disinfection	✓	大公報 (繁體) Ta Kung Pao	ZH	0.91	HCP
2020-01-01 07:20 UTC	Multiple cases of unexplained pneumonia Wuhan South China Seafood Market is closed today	✓	聯合新聞網即時新聞 (繁體) United Daily News	ZH	0.85	HAO
2020-01-01 06:41 UTC	Unidentified pneumonia Wuhan seafood market is closed today	✓	中時電子報即時新聞 (繁體) China Times real time news	ZH	0.77	HOP
2020-01-01 06:35 UTC	Wuhan unexplained pneumonia outbreak outbreak market is closed for rectification	✓	中央社中央社新聞 (繁體) Central News Agency	ZH	0.99	HAO
2020-01-01 04:40 UTC	Wuhan South China Seafood Wholesale Market Closed	✓	中時電子報即時新聞 (繁體) China Times real time news	ZH	0.60	HP
2019-12-31 00:00 UTC	Seven infections in The South China Seafood Market, but still open normally	✓	聯合新聞網即時新聞 (繁體) United Daily News	ZH	0.93	HAP

“Wuhan South China Seafood Wholesale Market **Closed**”
2020-01-01



Local news coverage
vs.
local public health capabilities



Available



Some limitations

Non-free press; bothsidesism; journalistic interpretation



- News ✓
- Natural language
- GPHIN



"Words [are] known by the company they keep."

Mackin, R. 1978

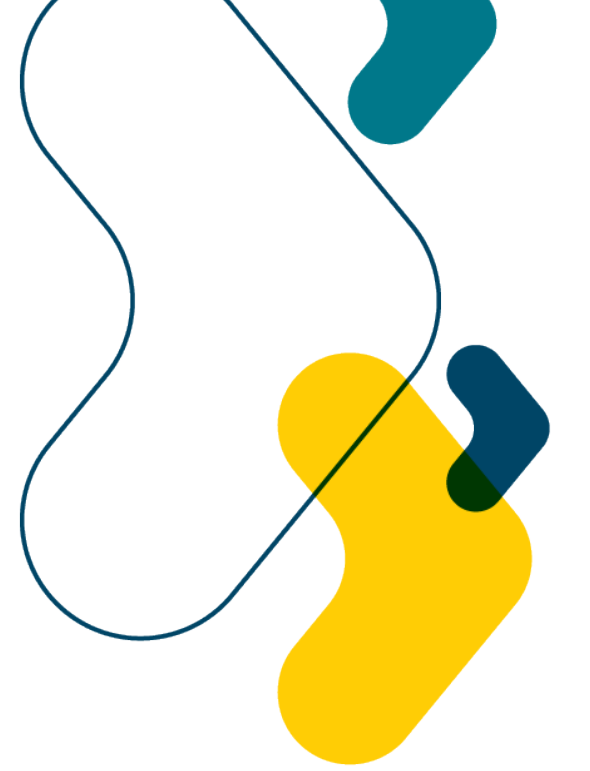
(distributional semantics)

He was mugged in _____ daylight.

There were no weapons of mass _____.

She _____ on their door.

This is the first reported case of _____.
(syndrome terminology discovery)



All three people reported fever, _____, and chills.
(symptom discovery)

All patients reported having visited _____.
(location/point source discovery)

The mysterious illness has been identified as _____.
(change point)



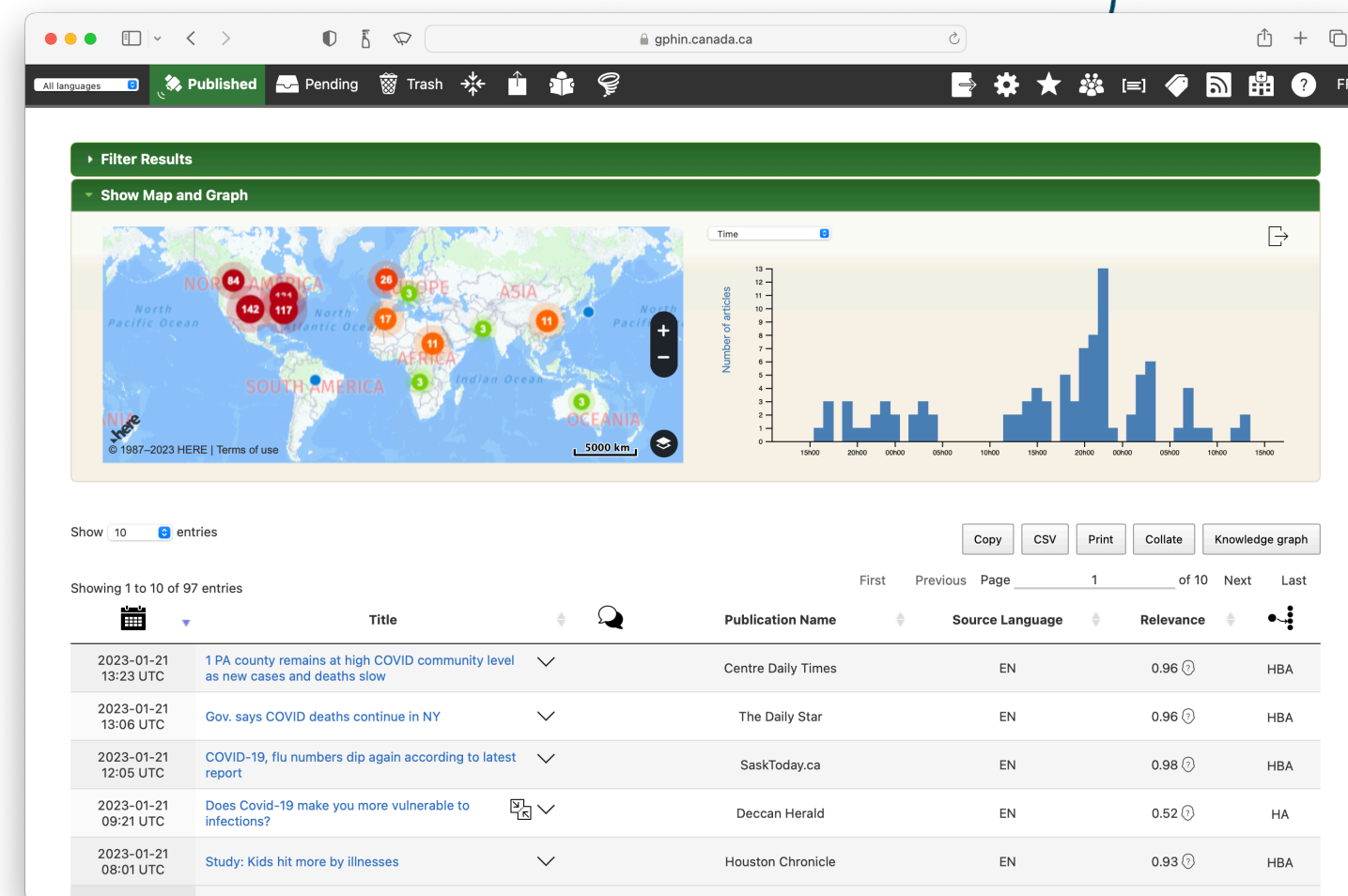
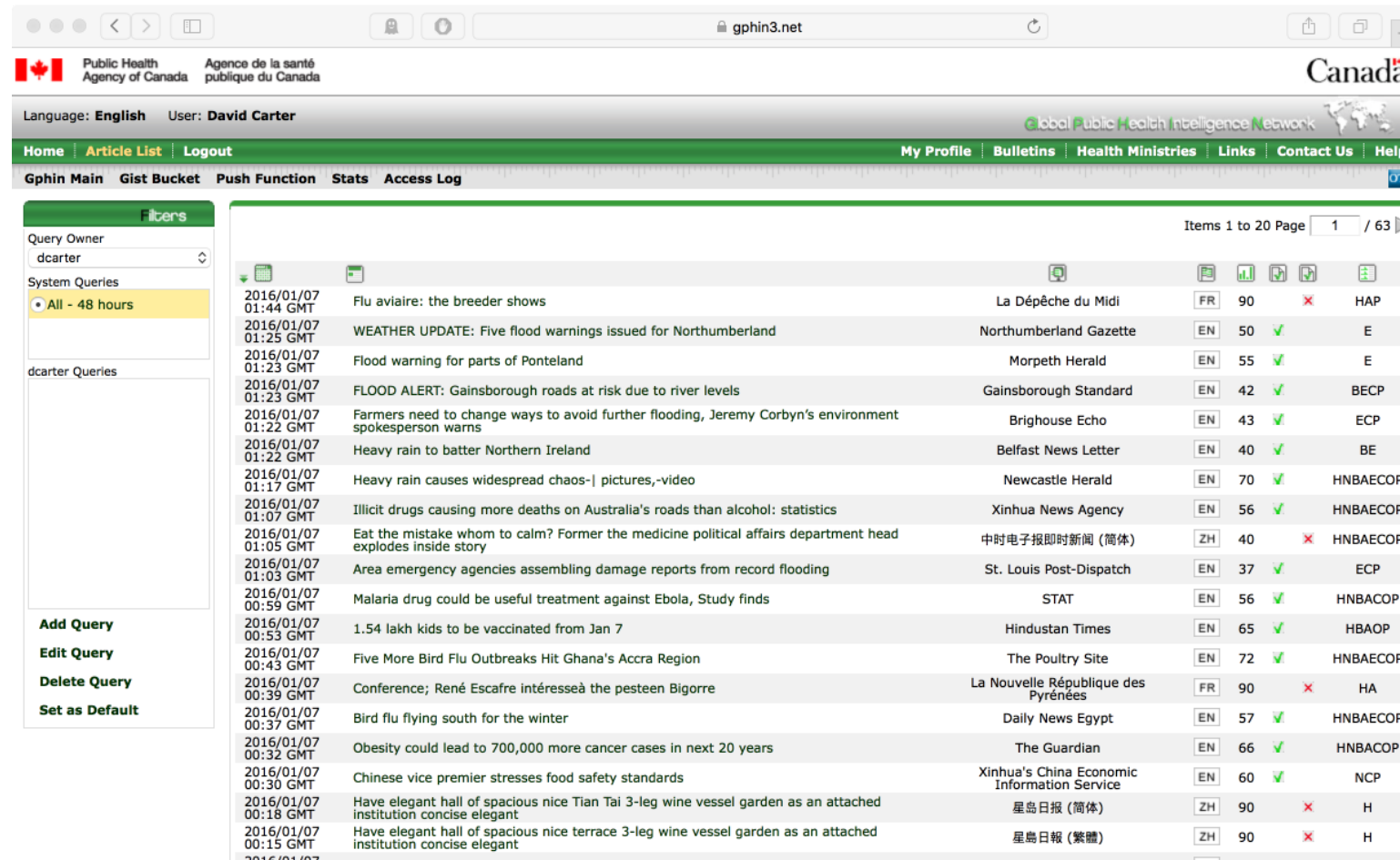
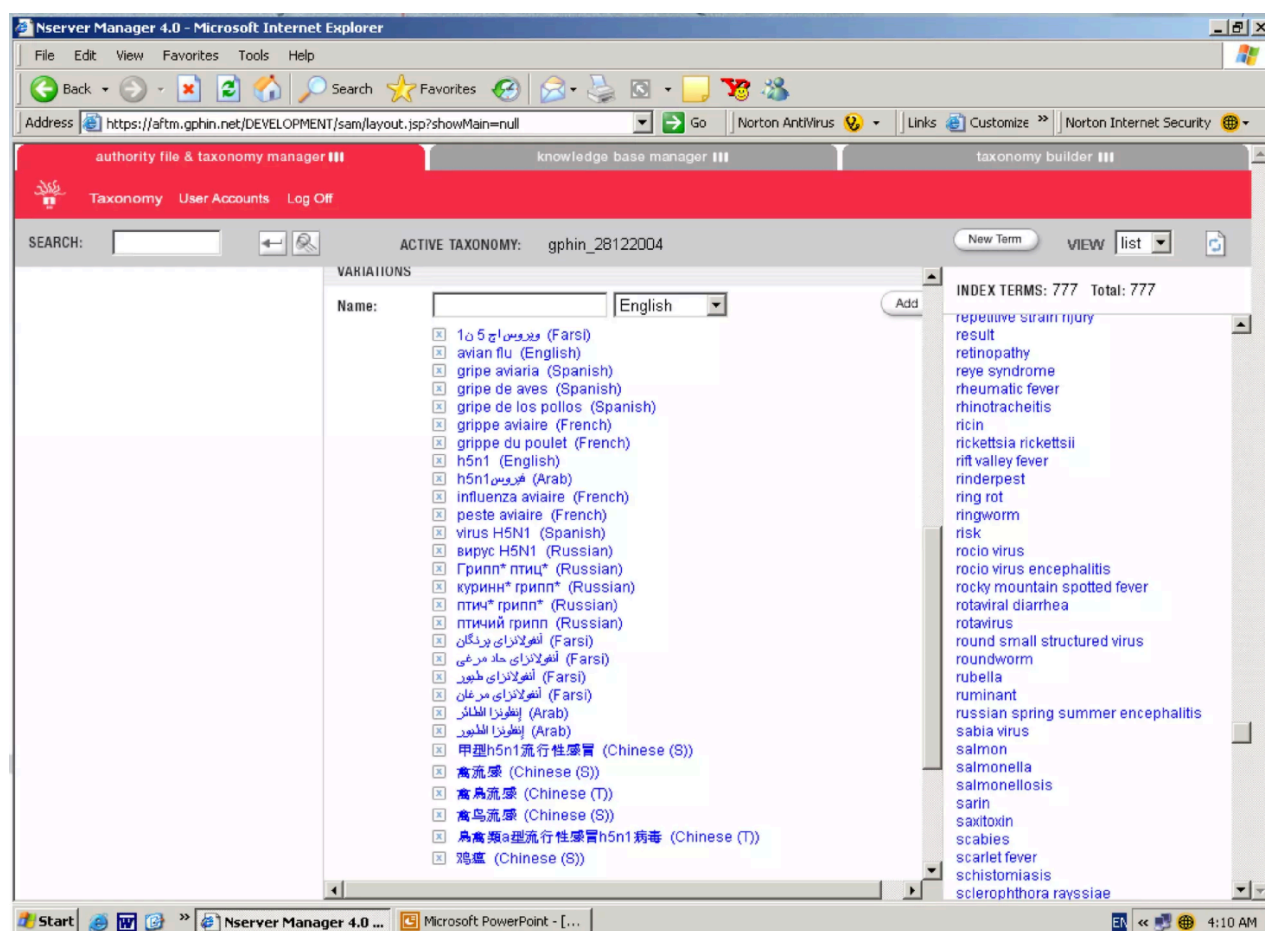
Situational awareness:

**“knowing what's going on
so you can figure out what to do”**

Adam, E. C. Fighter Cockpits of the Future. IEEE Digital Avionics Systems Conference. 1993; 319.



- News ✓
- Natural language ✓
- GPHIN



GPHIN: Global Public Health Intelligence Network

A team. A collaboration. A 25+ year evolution.

NRC-CNRC



Public Health
Agency of Canada

Agence de la santé
publique du Canada

NRC-CNRC



Global. Data from everywhere; users in 30+ countries

Public health. Health news, professional Twitter, epis' reports

Intelligence. 6000+ documents a day in 10 languages

Network. 900+ pro users globally



Data

- Dow Jones Factiva
- professional twitter
- RSS (incl google news searches)
- push
- keyword ontology
- analysts' triage, tagging, highlighting, notes
- gazetteer & ReliefWeb

All languages

Published

Pending

Trash

All

Push

Collate

Narratives

↩

⚙

★

👥

☰

📄

📡

📅

?

FR

Filter Results

Use existing query: (custom)

Or import query in JSON format: Import query

Date received

within last

14 days

AND

+

-

Keyword

is

Respiratory syncytial viru

+

-

☐ Raw query (Learn more)

Search

Clear

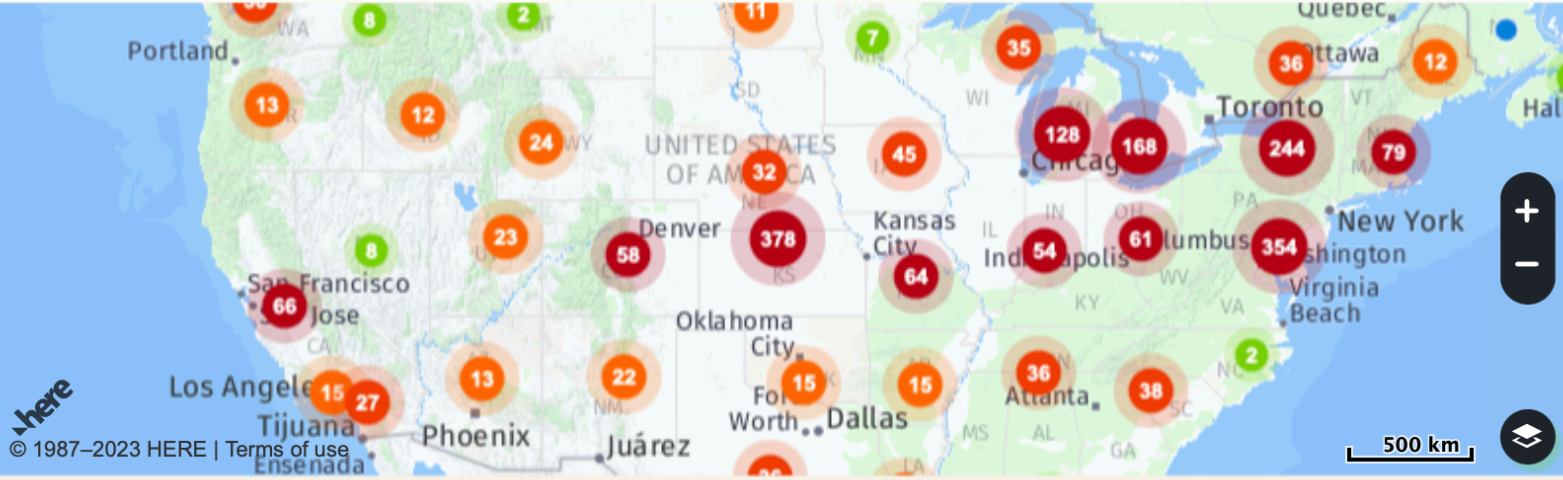
Save query

Delete query (disabled)

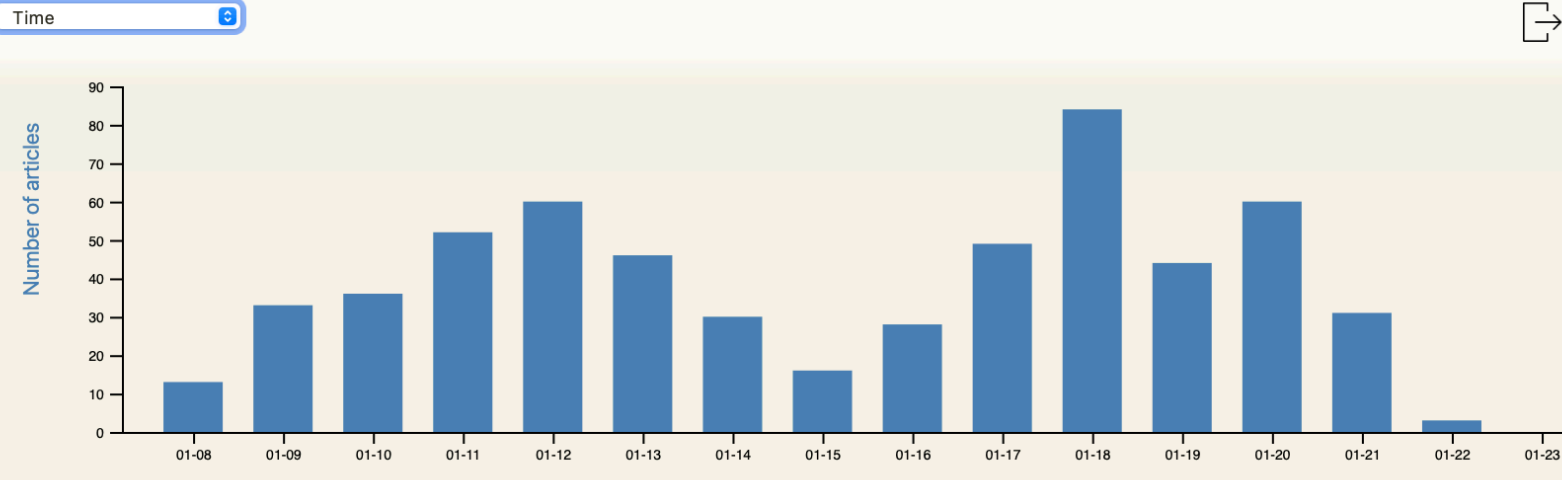
Set as default

Export query

Show Map and Graph



Time



Show 10 entries

Copy

CSV

Print

Collate

Knowledge graph

First

Previous

Page 1 of 59

Next

Last

	Title		Publication Name	Source Language	Relevance	
2023-01-22 03:02 UTC	The Uncommon Flu	✓	New Indian Express	EN	0.99 ⓘ	HBA
2023-01-22 01:41 UTC	'Long colds' thanks to 'piggybacking' viruses leading to weeks of illness for thousands in Ireland	✓	sundaytimes.co.uk	EN	0.92 ⓘ	HAO
2023-01-22 01:20 UTC	Virus levels declining in Arkansas; RSV, flu and COVID-19 hit Arkansans this virus season, and while it's not over, there is a reprieve.	✓	CBS - 5 KFSM	EN	0.86 ⓘ	HBA
2023-01-21 22:23 UTC	A flu for all seasons	✓	Bangalore Mirror	EN	0.99 ⓘ	HA
2023-01-21 21:30 UTC	The pandemic is not totally behind us, warns PHAC	✓	Le Journal de Montréal	FR	0.93 ⓘ	HA



All languagesPublishedPendingTrashAllPushCollateNarratives

Filter Results

Use existing query: (custom) Or import query in JSON format: Import query

Date receivedwithin last14 daysAND

KeywordisRespiratory syncytial viruAND

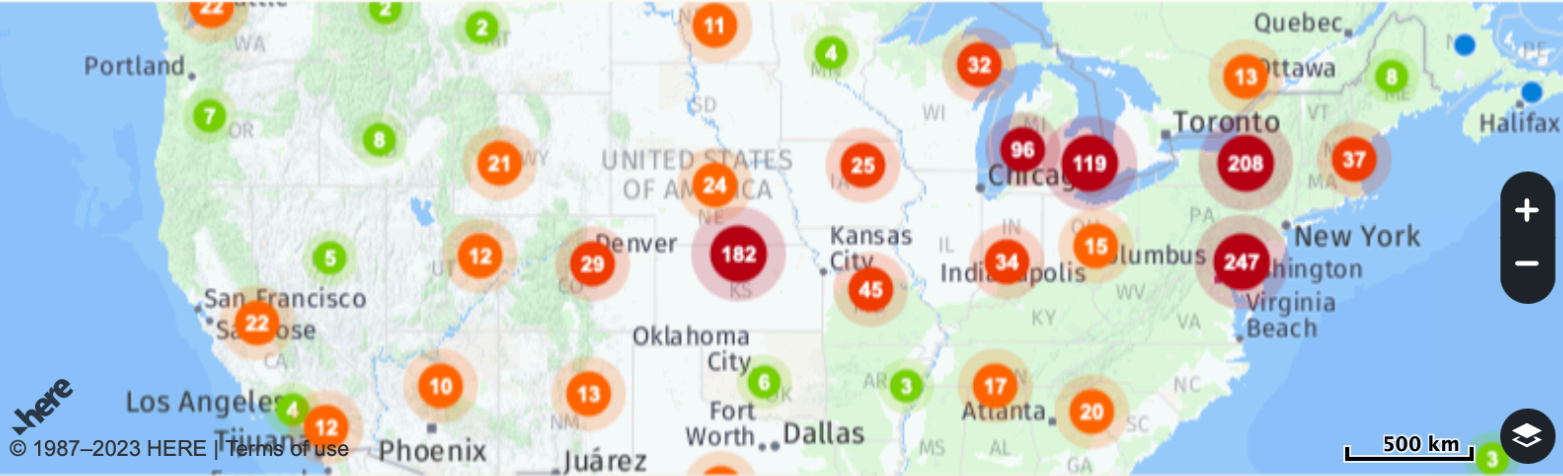
KeywordisdeathsAND

☐ Raw query (Learn more)

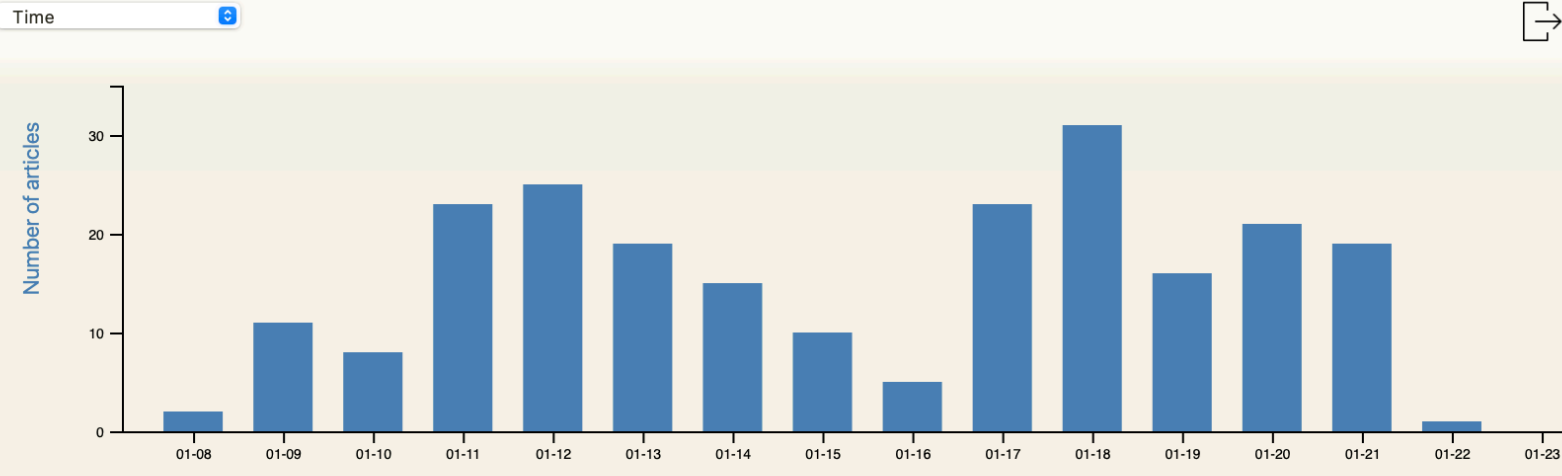
SearchClear

Save queryDelete query (disabled)Set as defaultExport query

Show Map and Graph



Time



Show 10 entries

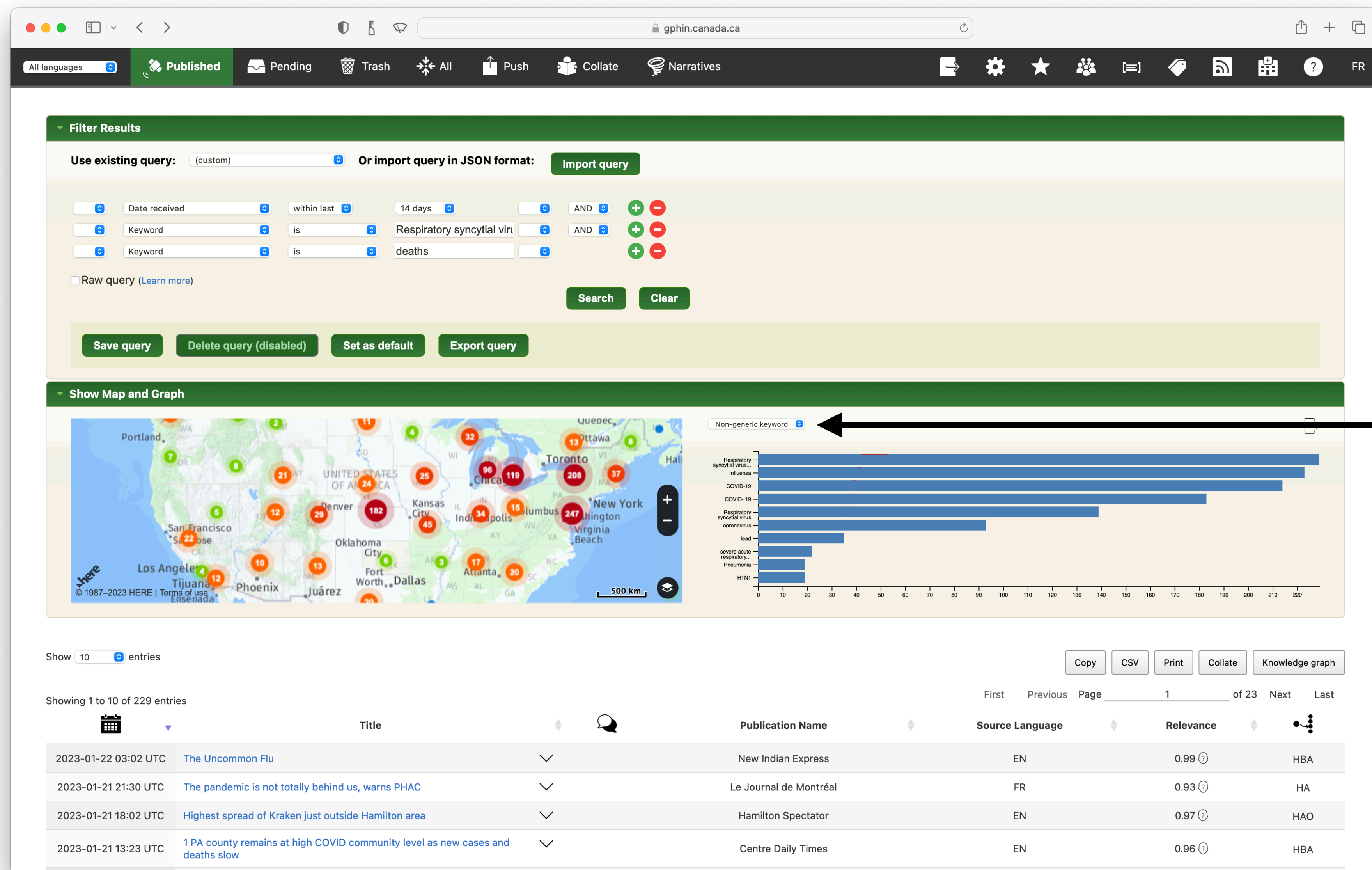
CopyCSVPrintCollateKnowledge graph

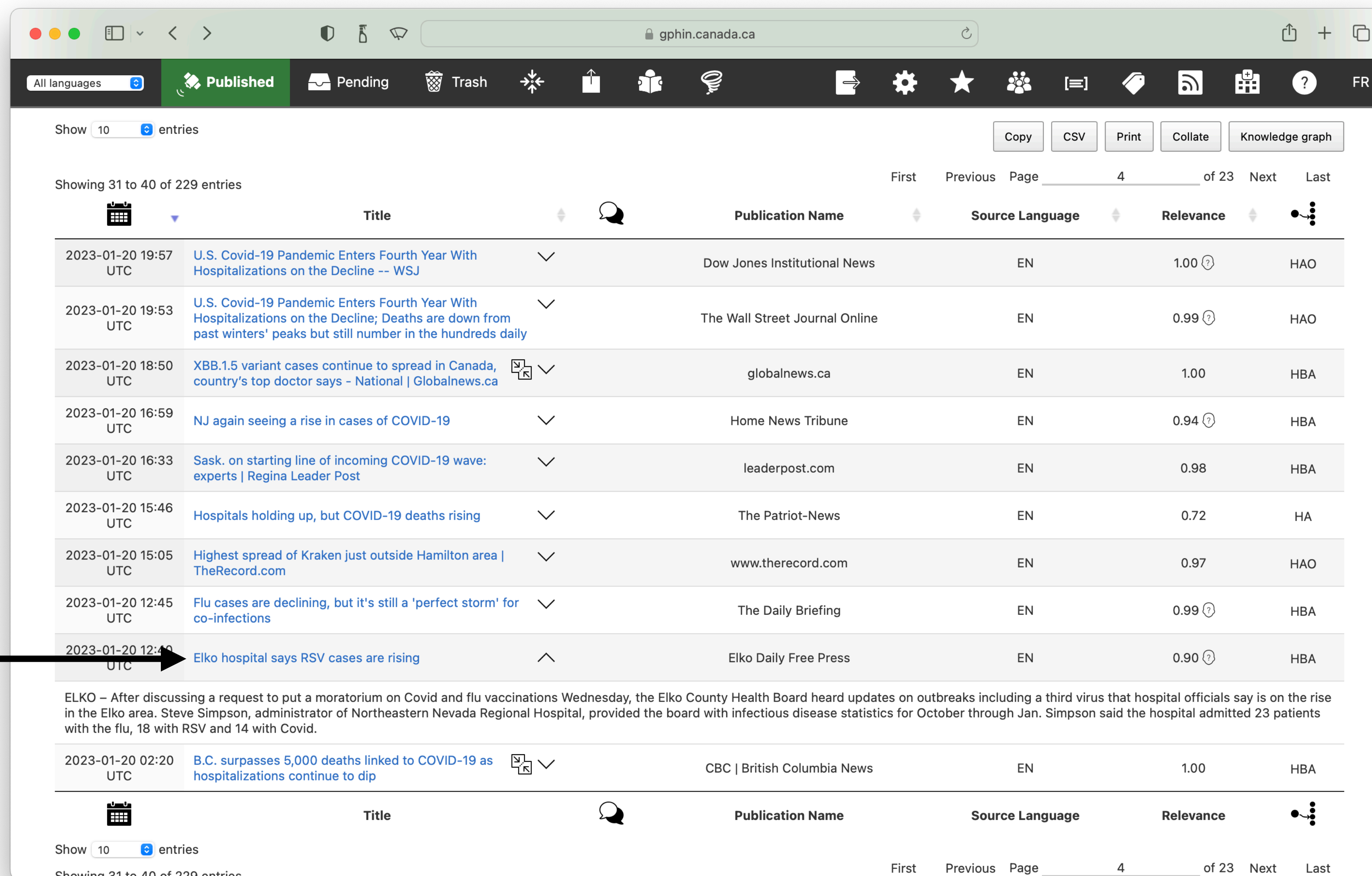
Showing 1 to 10 of 229 entries

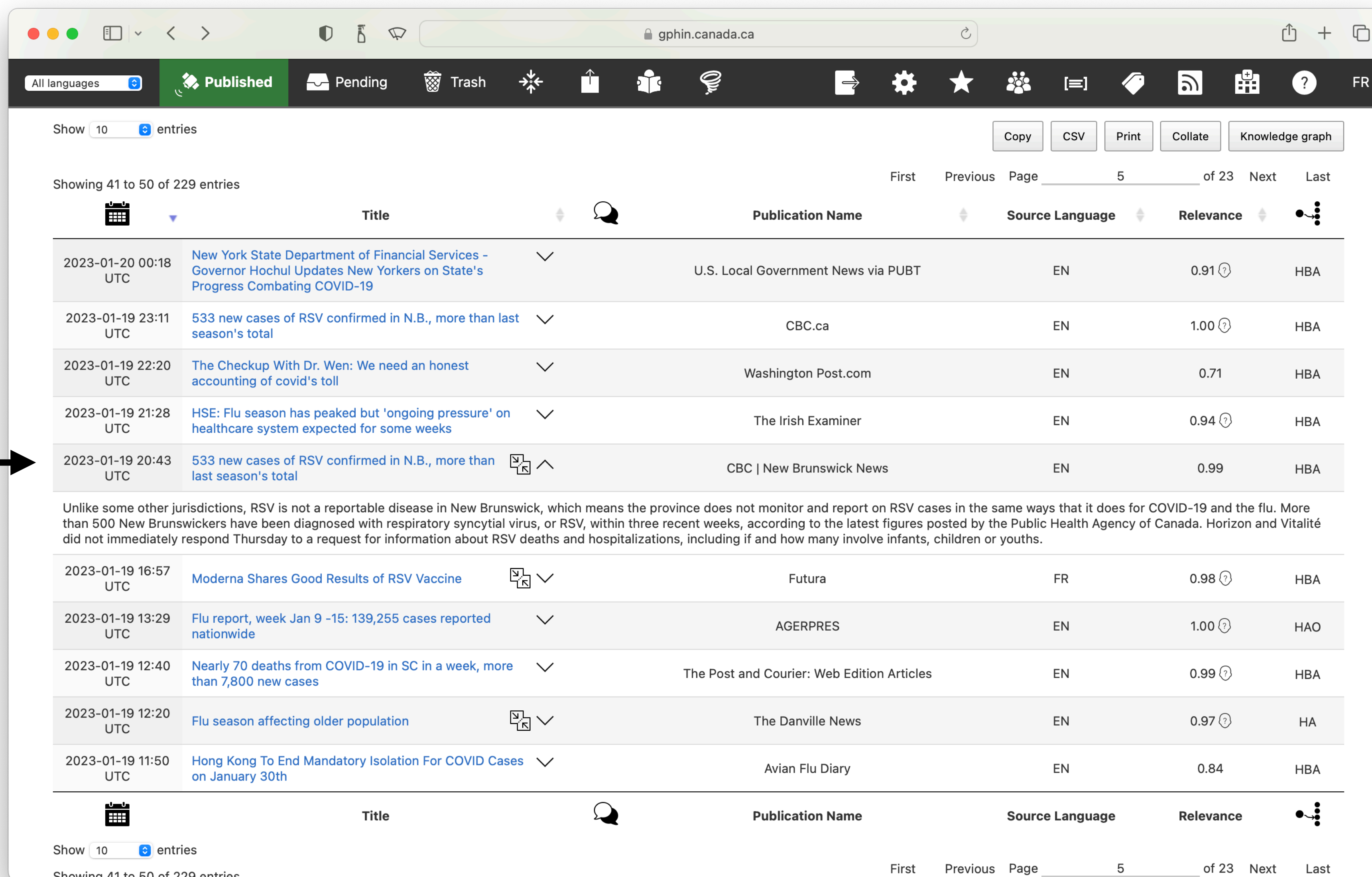
FirstPreviousPage1of 23NextLast

	Title		Publication Name	Source Language	Relevance	
2023-01-22 03:02 UTC	The Uncommon Flu	✓	New Indian Express	EN	0.99 ⓘ	HBA
2023-01-21 21:30 UTC	The pandemic is not totally behind us, warns PHAC	✓	Le Journal de Montréal	FR	0.93 ⓘ	HA
2023-01-21 18:02 UTC	Highest spread of Kraken just outside Hamilton area	✓	Hamilton Spectator	EN	0.97 ⓘ	HAO
2023-01-21 13:23 UTC	1 PA county remains at high COVID community level as new cases and deaths slow	✓	Centre Daily Times	EN	0.96 ⓘ	HBA

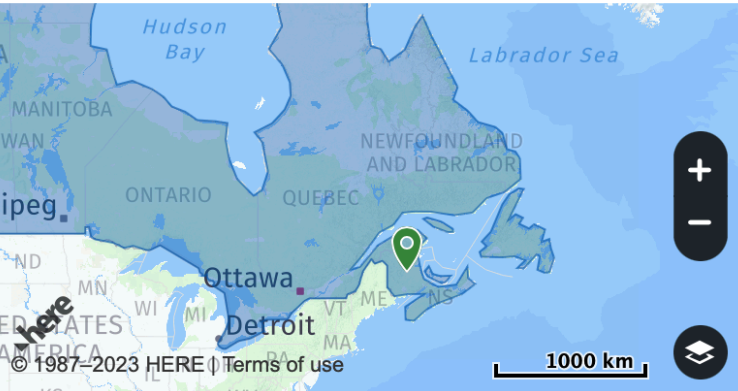
NRC-CNRC







Location



Region: Americas WHO region: AMRO

Canada
New Brunswick

Information

Unique ID: 1013242282
Source link: www.cbc.ca
Origin: RSS aggregator
Publication date: 2023-01-19 20:42 UTC
Received date: 2023-01-19 20:43 UTC
Publication name: CBC | New Brunswick News
Publication language: EN
Relevance score: 0.995
Reviewed for relevance: Yes
Last edited by: hkian
Importance: Normal
Document type: Article

Tags

GPHIN Daily Report Duty Officer Report

Categories

Infectious disease - human Biological Infectious disease - animal

Keywords

COVID-19
influenza
lead
Respiratory syncytial virus
Respiratory syncytial virus infecti...
alert
case
confirmed
deaths
died
injections
measure
symptoms
test
vaccines
virus

533 new cases of RSV confirmed in N.B., more than last season's total

Duplicate articles:

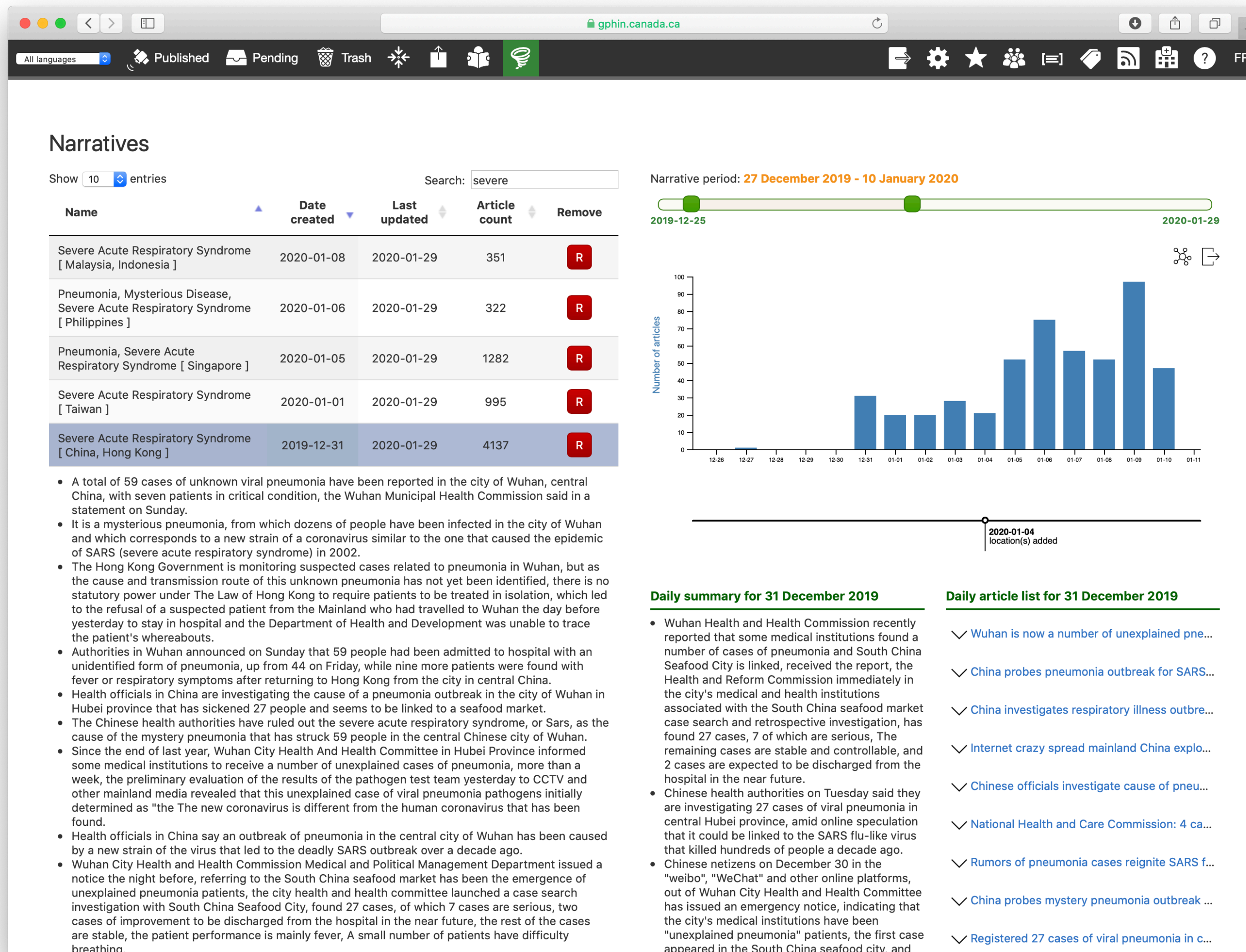
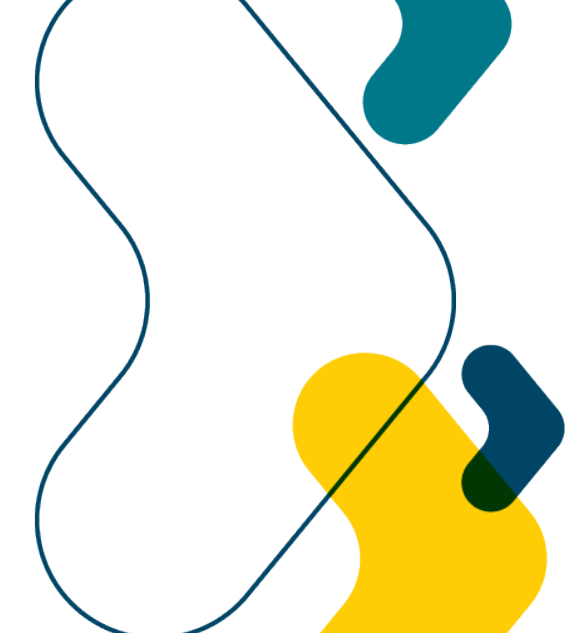
- 533 new cases of RSV confirmed in N.B., more than last season's total (likelihood 1.00)



More than 500 New Brunswickers have been diagnosed with respiratory syncytial virus, or RSV, within three recent weeks, according to the latest figures posted by the Public Health Agency of Canada. That's more than the 371 cases confirmed all of last season, the website shows. The number of lab-confirmed cases of RSV in the province, as of Jan. 7, is 1,186. That's up from 653 as of Dec. 17 — nearly a 60 per cent jump. The actual number is likely much higher since many people probably just stay home and don't get tested. In 2018-19, pre-pandemic, the seasonal total was 1,237. RSV is a common respiratory virus most children contract by the age of two. It usually causes a mild illness with cold-like symptoms, but can be "an important cause of morbidity and mortality in infants, young children and the elderly," according to Health Canada. Of the 533 new confirmed cases, almost 40 per cent — 212 — were confirmed during the most recent week, ending Jan. 7. No data on deaths, hospitalizations The federal website does not provide any information about deaths or hospitalizations. New Brunswick's Department of Health has said the regional health networks "may have" that information. Unlike some other jurisdictions, RSV is not a reportable disease in New Brunswick, which means the province does not monitor and report on RSV cases in the same ways that it does for COVID-19 and the flu. In November, Dr. Yves Léger, the acting chief medical officer of health, said Public Health would look at the list of reportable diseases in the "near future" to determine if RSV should be added. Right now, the province simply inputs weekly RSV lab results into the national respiratory virus detection surveillance system. Horizon and Vitalité did not immediately respond Thursday to a request for information about RSV deaths and hospitalizations, including if and how many involve infants, children or youths. Deadliest flu season in a decade The RSV update comes as New Brunswick is facing the deadliest influenza season it has seen in at least a decade. Twelve more New Brunswickers died from the flu during the first week of January, raising the death toll so far this season to 59, according to the latest influenza report. Data on the Public Health website dating back to 2013-14 shows until now, the highest number of deaths was 50 in 2017-18. The 2022-23 season, which began Aug. 28, continues into the summer. "It's well documented that influenza is an illness that can lead to death, particularly for those in vulnerable age groups, or who have other chronic health conditions, or who may be immunocompromised," said Department of Health spokesperson Adam Bowie. "This is why the Province of New Brunswick offers flu vaccines to its entire population free-of-charge, including high-dose vaccines for all individuals 65 years of age or older," he said in an emailed statement. 2 children under 10 hospitalized for flu None of the latest flu deaths involved infants, children or youths, said Bowie. Of the 30 people who were admitted to hospital because of the flu between Jan. 1 and Jan. 7, two were children under 10, he said. There were 108 new cases of the flu confirmed by a lab that week. Influenza activity has been decreasing for the past five weeks, according to Bowie. "This trend is expected to continue," he said. About 60,000 fewer get flu shot Nearly 60,000 fewer New Brunswickers have gotten their flu shot, compared to the same time last year, despite warnings about a more severe season, following the lifting of COVID-19 measures. A total of 229,893 influenza vaccines had been administered, as of Jan.16, according to the Department of Health. That's down from 288,754, as of Jan. 15, 2022 — roughly 23 per cent fewer. "It's important to note the administration of influenza vaccines started about a week earlier in 2021 than they did in 2022," said Bowie. In addition, "there have been some process changes around the data reporting for pharmacies and primary care providers that may be causing a slight lag in the reporting process," he said. Of the shots administered to date, the age breakdown includes: 6 months to 8 years — 11,254. 9-18 years — 10,121. 19-64 years — 99,561. 65 years and older — 108,958. Indoor masking recommended Earlier this week, Dr. Yves Léger, acting chief medical officer of health, recommended people wear a mask in indoor public places. He described the province's recent respiratory virus numbers as "a bit of a mixed bag." RSV activity continues to increase, flu activity is trending downward and Public Health is keeping an eye on COVID-19 activity as new cases fluctuate. Fourteen people were newly admitted to hospital because of the virus, two of whom required intensive care. The two regional health authorities say there are 107 New Brunswickers currently hospitalized either for or with COVID, as of Saturday, including one who requires intensive care. There were 555 new cases of COVID-19 reported, including 433 confirmed through a PCR (polymerase chain reaction) lab test, and 122 people who self-reported testing positive on a rapid test.

Write a comment

Public



Early warning signal discovery

- Unknown unknowns
- Cluster + validate clusters (ea. 24h)
- Generate rules (per narrative)
- Collect articles (ongoing)
- Model topics (ea. 24h)
- Detect change points (ea. 24h)
- Show narrative (on demand)



Categorization; all hazards/multidisciplinary



Multi lingual, updated regularly



Case counting

All languages

Published

Pending

Trash

SAUDI ARABIA Muscat

CHAD Sudan Sana'a YEMEN Arabian Sea

na here Djibouti Bosaaso Salem

© 1987–2023 HERE Terms of use

Region: Asia

WHO region: EMRO

Burundi

Democratic Republic of Congo

Dominican Republic

Haiti

Lebanon

Malawi

Nigeria

Somalia

South Sudan

Syria

Yemen

Information

Unique ID: 1013253567

Source document: CATON000202

Origin: Factiva

Publication date: 2023-01-21 11:

Received date: 2023-01-21 12:

Publication name: El Periódico

Publication language: ES

Relevance score: 0.998

Reviewed for relevance: No

Last edited by:

Importance: Normal

Document type: Article

Tags

Categories

Infectious disease - human

Biolog

Keywords

cholera

diarrhea

Yemen

There appears to be a high level of public health concern in this country at present, per ReliefWeb

More information:

OCHA: Under-Secretary-General for Humanita...

OCHA: Under-Secretary-General for Humanita...

UNHCR: Yemen: UNHCR Operational Update, ...

Capital: Sanaa

Area: 528,000 km²

Demographics:

Population 28,500,000

Population below poverty line 54% (2014)

Median age 19.2 years

Human development index (HDI) 0.482 (2014): Low human development

Gini coefficient 37.9

Languages: Arabic (ar-YE)

Neighbours: Oman, Saudi Arabia

Resources:

Food Security Cluster: Yemen

HR.info Yemen

was about 20 outbreaks, acco political or economic reasons The latest most reliable data studies, MSF points out, are " averages." According to the V cases between 2016 and 202 The countries with the highes the Dominican Republic. The of September, while it is estin cholera outbreak in late Octol March from its 2016 ignoranc support the treatment of chol Record number of refugees Cholera is a disease caused b diarrhea and can become so i expose the ir effects, whic ountries affec cause extren read of the ba cause of the s High Commiss displaced, mc ties do not in n Lebanon, S ts survive an projects pos against water vesting in cou medium and l ive, "but it mu

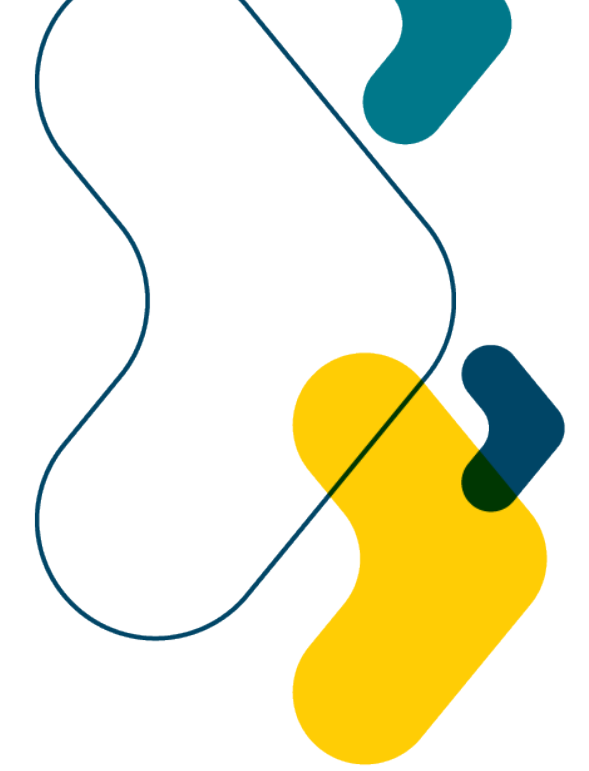
Location resolution

Integrated with ReliefWeb

NRC-CNRC



Noise reduction: relevance scoring; near duplicate detection



Reporting & alerting



Ethics

Open source data; aggregated; human in the loop; public benefit



Supporting further research

PHAC collaborations with U de M, U of T, and more

NRC collaborations with other agencies



Takeaways

News is a rich data source for public health.

Natural language processing turns makes text into counts, maps, events.

GPHIN uses NLP to generate early warning hypotheses for public health.



Q?