Identification of likely sources of Highly Pathogenic Avian Influenza introduction into the US.

Iglesias I1, Fillman K2, Lim S2, Kanankege K2, Perez AM2

1: CISA/INIA

2: College of Veterinary Medicine, University of Minnesota

3: Innvel/UCM

**Summary**

The importance of understanding how disease spreads and proliferates within populations has never been clearer; rather it be intraspecies spread or zoonotic jumps, mitigating risk is at the forefront of epidemiology. Highly pathogenic avian influenza (HPAI) is no exception, the most recent pandemic having touched every major geographical region on the planet. This strain has exceptionally high morbidity and mortality, spreading through wild birds to domestic poultry and mammals. Preventing the introduction of this disease into domestic populations is the only way to prevent livestock culling. While there are numerous ways to detect HPAI once it is in populations, no early-warning system has been proposed for any location. This article explores how the most recent outbreak of HPAI entered the US and proposes nine locations outside of the US for HPAI monitoring. Understanding potential routes of infection and the regions that viral recombination is likely to occur within allows for more informed disease prevention strategies and vaccinations. Moreso, proposed locations aim to give American farmers lead time before their animals are at risk. Previous work has suggested the importance of understanding the cyclical spikes in HPAI infections and knowing early warning signs of diseased birds but have not proposed proactive monitoring of flyways. Knowing connected flyways and having advanced warnings for disease outbreaks has the potential to drastically limit the impact of HPAI on domestic animals and reduce the risk of zoonotic transmission.

**Introduction**

Due to its high transmissibility and mortality rates, highly pathogenic avian influenza (HPAI) is a disease of concern for the poultry industry worldwide. Since 1996, HPAI notifications have increased globally with devastating consequences for affected countries and regions. A record-breaking 14 million cases of avian influenza were reported in 2021 across the world, representing a higher number than the previous five years combined, with a total of 61.4 million birds dying or being culled to halt the disease's spread. This figure represents a 462% increase in cases and a 150% increase in deaths compared to 2020 levels and continues fueling a trend of increasing cases reported since 1996 (OIE, 2022). Avian influenza viruses are endemic in waterfowl populations and frequently spill over to domestic poultry. Since 2005, mortality of HPAI in water birds, which was previously considered unusual, has been identified in each epidemic wave of HPAI (2005-2007, 2014-2017, and 2020-2022) with a large number of wild birds clinically affected. The movement of migratory waterfowl plays a crucial role in intercontinental and continental HPAI spread. Contact with waterfowl was identified as the primary risk factor for the introduction of avian influenza into European poultry holdings1 and as the source of two HPAI virus strains identified in the 2014-15 outbreaks in the U.S.2. The HPAI cases reported in Europe between 2021 and February 2022 was the largest ever recorded epidemic in terms of the number of poultry (n=1538) and wild birds (n=2010) outbreaks, dead animals (5,279,000 and 3,508 respectively) and geographical extent (n=36 countries). Between December 2021 and February 2022, Canada reported 13 outbreaks (9 and 4 in domestic and wild birds, respectively) on the Island of Newfoundland and Nova Scotia, whereas the USA reported 37 outbreaks (3 and 34 in domestic and wild birds, respectively) in ten states (OIE, 2022).

Prerequisite for mitigating the impact of HPAI epidemics is the ability of governments and industry to early detect and, ideally, anticipate an increase in the risk for disease introduction. Here, we introduce an open-source dashboard application, referred to as DashFLUboard, which combines data on a number of factors associated with increase in risk for HPAI and displays them on interactive maps that may be used to track the evolution of the epidemic. The use of the tool is illustrated showing the potential connections that may explain, in part, the likely sources of HPAI introduction into the US over that large epidemic.

**Methods**

DashFLUBoard

The DashFLUboard (https://cahfs.umn.edu/dashfluboard-avian-influenza-tracker) integrates HPAI outbreak, temperature, and ornithological data. Data are routinely collected from different data sources, including:

1. HPAI outbreaks information retrieved from EMPRES Global Animal Disease Information System (EMPRES-i), a web application from the Food and Agriculture Organization (FAO) of the United Nations; data for each outbreak include country, administrative unit, coordinates (latitude and longitude), date of occurrence and confirmation of the event, HPAI subtype, source of information (usually OIE or nationally authorities), host type (domestic, wild birds, captive, or humans), host species, number of cases, deaths, destroyed and slaughtered animals.

2. Monthly mean temperature (ºC), downloaded from WorldClim version 2.1, an application that compiles climate data for 1970-2020, at the spatial resolution of 30 seconds (~1 km2) (‎3).

3. Movement information (based on ringing-recovering data) for 118 wild birds risk species, retrieved from the Bird Banding Laboratory (BBL, ‎4), a total of 1.918.403 records. A network movement matrix was developed using ringing and recovery data. The number of records connecting departure and destination points was summarized at the second administrative level (referred to as NUT 2) to provide an estimate of the connectivity between areas. To facilitate exploration, the 118 species were classified into nine taxonomic groups, namely, a. coots, cranes, and rails; b. cormorants and shags (Phalacrocoracidae); c. ducks, geese, and swans (Anatidae); d. herons (Ardeidae); e. gaviiformes; f. grebes (Podicipedidae); g. gulls, terns, and allies (Laridae); h. Pelicans (Pelecanidae); i. sandpipers and Charadriidae. Selection criteria for risk species was based on species surveillance lists in the USA (‎5) and the EU (‎6); and a compilation of wild bird aquatic species affected by HPAI based on FAO and World Organization for Animal Health (WOAH) outbreak notifications (since 2002-2020 ), European Food Safety Agency (EFSA) data for passive surveillance (2005-2017) (‎7) and positive wild bird species (H5, H7 or HP) in USA , Canada, and Greenland (2006-2018) (‎8).

DashFLUboard tools combine several geographical analytical tools implementing through Python, JavaScript, and ArcGIS (‎9) scripts. Temperature and wild bird movement data are included as permanent layers in a web map application and outbreaks data are updated daily as a feature layer. The visor web dashboard for data exploration uses the geoweb services provided by the ArcGIS server Enterprise. ArcGIS Server spreads the ArcGIS Pro project and its layers in the form of ReST web services.

The DashFLUboard contains 3 tabs, displays, or sections, specifically:

1)The historical outbreak records tab is the main page for exploring and visualizing data. This section includes to the top a map of HPAI outbreaks from 2005 to the present, a time slider of outbreak notifications at the bottom, and a list of interactive graphics on the right related to the region of the total or selection of outbreaks that we could develop in the map or in the time graphic. The time slider tool enables users to wind back time and view the global situation on any given moment of the avian influenza outbreaks since 2005 as well as to select time periods by species and regions. By clicking on any outbreak, a pop-up window with the outbreak information appears.

2)The tab "Temperatures 2016-2020," includes an interactive historical map of monthly mean temperatures and HPAI outbreaks. Each monthly temperature layer can be turned on and off as a background interactive map. The virus's environmental persistence is inversely proportional to temperature increasing stability at colder temperatures (Brown et al, 2009).

3)The tab "Wildbirds movements" allows users to explore wild bird connections between the United States of America and the entire globe at the NUT 2 level.

Analytical approach

Utilizing HPAI event data that contained all known disease events from 2020 onwards and known bird migration connections, a list of each US state’s first known outbreak and potential source populations was generated (table 1). Potential outbreak sources were identified as having their outbreak begin at least three days prior (when symptoms being to appear) (‎10) but no more than thirty-one days to the state’s first outbreak and have a known migratory connection to the state (using data from BBL, ‎4). Thirty-one days was chosen as it would encompass immediately preceding source events without also including events too distant for them to unlikely be correlated.

Utilizing this list of candidate sources, which included both exact and approximate locations (municipality level) coordinates, centroids of a weighted K-means algorithm determined the countries and provinces of potential monitoring locations outside the U.S. that would support an early detection system for the US. Nine monitoring locations were determined to be optimal using a gap statistic. Specific locations of four centroids were not on land and were thus assigned to the nearest location of high activity. In instances where multiple countries were equally close, the country with the highest number of US connections was chosen.

**Results**

The first introduction of HAPI into North America was on 11/26/2021 in St. John's, Newfoundland and Labrador, Canada. The virus then spread into the US, where it was first introduced in Colleton, South Carolina on December 30th, 2021; this infection likely came from St. John's, Newfoundland and Labrador, Canada. On January 28th, 2022, the first report of the reassorted Eurasian and North American strain appears, quickly replacing the fully Eurasian strain as the most common within the US. On NextStrain, very few cases are from a Japanese/Korean lineage; a vast majority are within a tightly knit web of North and South American cases from a primarily European lineage. There are no mutations that make any North American country’s lineage distinct. All North American cases from the current outbreak are believed to belong to the 2.3.4.4b clade (‎11).

Within the banding file, there were 83 counties with migratory connections to the United States. Excluding the US itself, the five countries with the most known connections are Canada, Mexico, Ghana, Cuba, and Panama. Of the 2048 unique potential source events identified, 1243 originated outside of the US. Sixteen countries were identified as potential sources, the most common of which were Canada, the United Kingdom, France, the Netherlands, and Japan. There was an average of 16.6 days between when the potential source outbreak occurred and when the disease is first introduced into the state.

Weighted K-means centroids were in Canada, Japan, Mexico, and Western Europe. Proposed monitoring locations are in Canada, Japan, Mexico, and Scotland. The amount of time between a location’s infection and the US ranges from 11.64 to 23.35 days (table 2). The states monitored by each proposed locations were found using known flyways of the country (excluding Canada and Mexico, where provinces were used). Monitoring locations provide advanced warning to all fifty states, proving each state with at least two monitoring locations (figure 2). Each location covers several states, as seen in figure 3. France only has connections to two states but has one of the highest numbers of potential source events worldwide.

**Discussion**

Highly pathogenic avian influenza (HPAI), a disease that first started gaining global attention in 1996, has since exploded in prevalence and pathogenicity. The most recent pandemic, beginning in 2021, resulted in hundreds of millions of birds dying or being culled to limit the spread of the disease (‎12). In late October 2023, HAPI was detected in Antarctica for the first time; previously the only major geographical region where HPAI had not been detected (‎13). The disease is endemic to waterfowl and frequently spill-over to domestic poultry, which increases the risk of transmission to mammals. DashFluBoard, which combines data on several factors associated with increased HPAI risk in interactive maps, can be used to track the evolution of an epidemic. Here, the potential sources of disease introduction into each US state were identified to propose monitoring locations outside of the country, with the objective of supporting early detection of HAPI and mitigating its impact within the US.

The CDC currently monitors and reports instances of AIV in wild birds, poultry, mammals, people, and dairy cattle. At the time of writing, there have been two human cases of avian influenza since 2022, both in different states and following exposure of different types of animals (‎14). The US has had the highest number of reported cases in mammals throughout the world, leading to a higher-than-average variance in the mortality of those infected (‎15). Early warning and detection are integral to mitigating disease spread and limit population culling. Early detection and depopulation of infected poultry can allow farms to repopulate barns an estimated thirty-seven days sooner than those with a delayed response, mitigating an estimated $3.3 million in lost revenue (‎16). Although there are numerous techniques for rapid detection of disease presence (‎17), there are no systems to provide early warning for disease outbreak prior to it entering the region of interest. Past projects have identified pathways of disease entrance into the EU have been identified (‎18), but this has not extended to North America nor the US.

The virus, spread by wild bird populations across the world, has mutated within regions (11). This allows for future infections to be traced via phylogeny. An analysis of viruses within the 2.3.4.4b clade found sixteen different genotypes, nine of which were only detected in one country or region. As the disease continues to circulate, reassortment is promised (‎19).

This analysis found that six monitoring locations would support the early detection of HPAI pandemics before the disease enters the U.S. an average of 16 days prior to an outbreak. This time would allow poultry farms and estuaries to take necessary precautions against disease entrance and time to heighten awareness of diseased bird signs. Both preventative and emergency vaccinations are viable options for farmers (‎20). Preventative biosecurity measures at farm and shed entrances, such as disinfection booths and boot changes, have also shown to significantly decrease in HAPI infection (‎21). This time should also be used to review HPAI symptoms with staff and procedures if an infection is suspected.

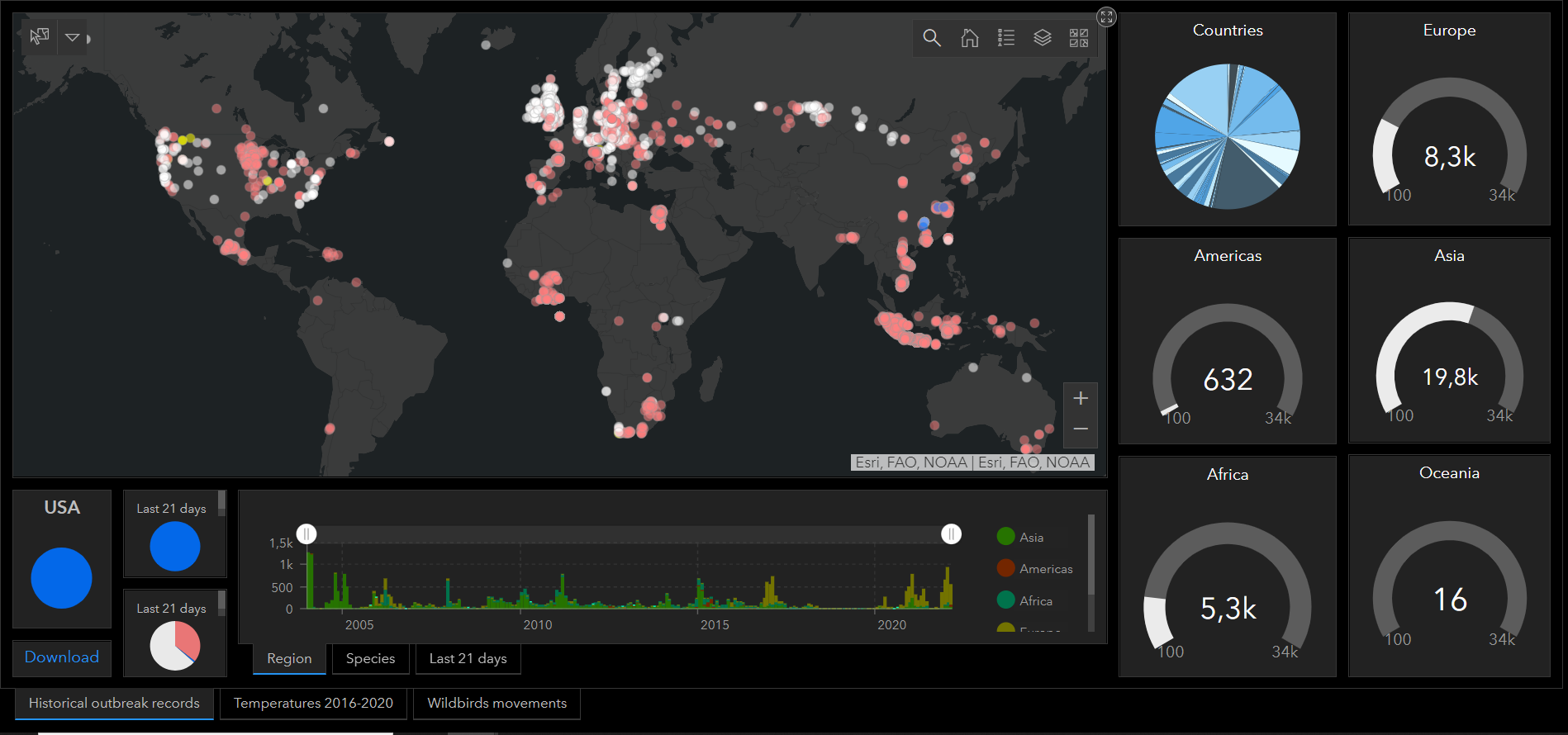
This article has presented proposed monitoring locations for advanced warning of U.S. highly pathogenic avian influenza (HPAI) utilizing data from DashFluBoard. Proposed monitoring locations include five Canadian provinces and the Netherlands, giving American fowl owners time to prepare before an outbreak occurs.

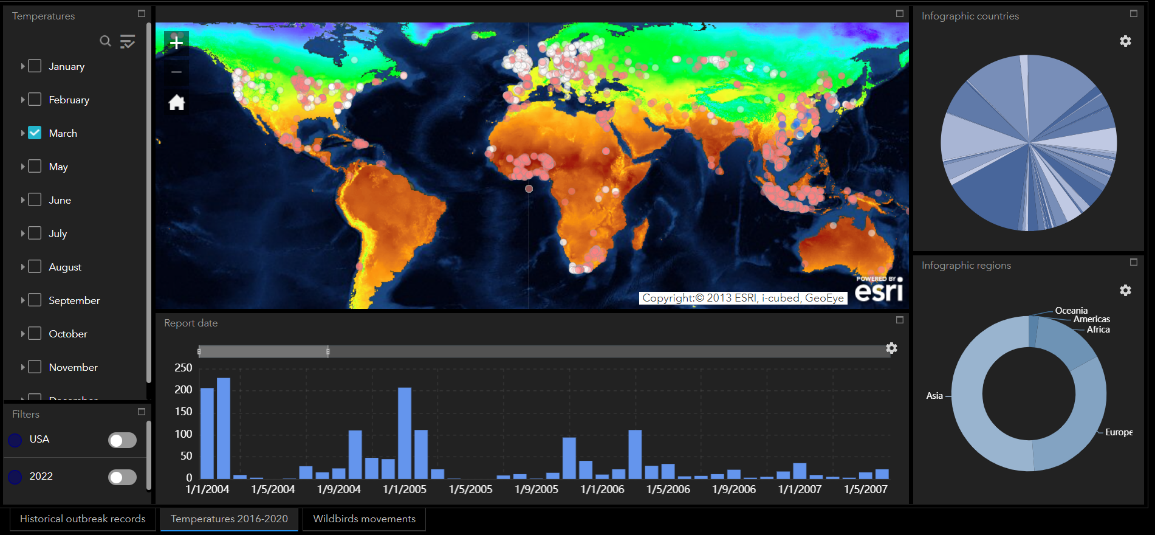
**Ethical Statement (ES)**. No sample collection or questionnaires have been specifically conducted for this study and thus, an ES is not applicable.  
  
**Conflict of interest statement**. The authors declare no conflict of interest.

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Figure 1: Interface of the three dashboard displays





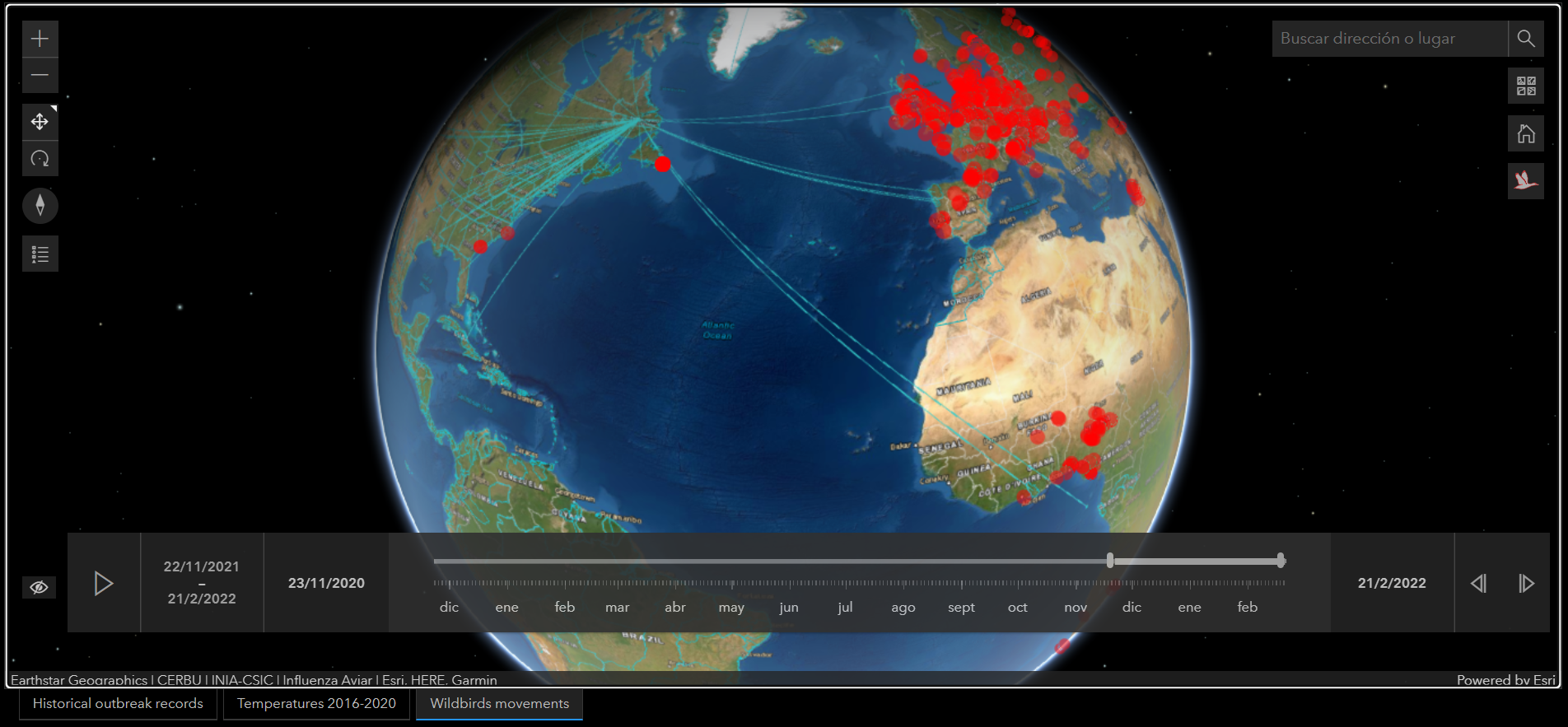


Figure 2. Number of locations monitoring each state

A map of the united states

Description automatically generated

Figure 3. States Monitored by Proposed Monitoring Locations

A map of the united states

Description automatically generated

Table 1. Potential sources of HPAI introduction, grouped by country of the potential source.

| **State** | **Date of HPAI Introduction to State** | **Potential Source Country** | **Number of Potential Sources Events** |
| --- | --- | --- | --- |
| South Carolina | 12/30/2021 | Newfoundland and Labrador, Canada | 6 |
| North Carolina | 1/20/2022 | Leiria, Portugal | 3 |
| North Carolina | 1/20/2022 | Newfoundland and Labrador, Canada | 2 |
| North Carolina | 1/20/2022 | Nova Scotia, Canada | 8 |
| North Carolina | 1/20/2022 | Santarém, Portugal | 6 |
| North Carolina | 1/20/2022 | Setúbal, Portugal | 2 |
| North Carolina | 1/20/2022 | South Carolina, United States of America | 2 |
| Virginia | 2/1/2022 | Chungcheongbuk-do, Korea (Rep. of) | 1 |
| Virginia | 2/1/2022 | Chungcheongnam-do, Korea (Rep. of) | 2 |
| Virginia | 2/1/2022 | Gangwon-do, Korea (Rep. of) | 2 |
| Virginia | 2/1/2022 | Gyeonggi-do, Korea (Rep. of) | 5 |
| Virginia | 2/1/2022 | Gyeongsangnam-do, Korea (Rep. of) | 2 |
| Virginia | 2/1/2022 | Jeollabuk-do, Korea (Rep. of) | 6 |
| Virginia | 2/1/2022 | Jeollanam-do, Korea (Rep. of) | 1 |
| Virginia | 2/1/2022 | Newfoundland and Labrador, Canada | 2 |
| Virginia | 2/1/2022 | North Carolina, United States of America | 6 |
| Virginia | 2/1/2022 | Nova Scotia, Canada | 31 |
| Virginia | 2/1/2022 | Prince Edward Island, Canada | 15 |
| Maryland | 2/2/2022 | Newfoundland and Labrador, Canada | 2 |
| Maryland | 2/2/2022 | North Carolina, United States of America | 6 |
| Maryland | 2/2/2022 | Nova Scotia, Canada | 31 |
| Maryland | 2/2/2022 | Prince Edward Island, Canada | 15 |
| New York | 2/7/2022 | Andalucía, Spain | 11 |
| Indiana | 2/7/2022 | British Columbia, Canada | 2 |
| New York | 2/7/2022 | British Columbia, Canada | 2 |
| New York | 2/7/2022 | Castilla y León, Spain | 20 |
| New York | 2/7/2022 | Cataluña, Spain | 3 |
| New York | 2/7/2022 | Cork, Ireland | 1 |
| New York | 2/7/2022 | Donegal, Ireland | 3 |
| New York | 2/7/2022 | Dublin, Ireland | 1 |
| Indiana | 2/7/2022 | Maryland, United States of America | 1 |
| New York | 2/7/2022 | Maryland, United States of America | 1 |
| Indiana | 2/7/2022 | Moscow City, Russia | 2 |
| Indiana | 2/7/2022 | Newfoundland and Labrador, Canada | 2 |
| New York | 2/7/2022 | Newfoundland and Labrador, Canada | 2 |
| Indiana | 2/7/2022 | North Carolina, United States of America | 6 |
| New York | 2/7/2022 | North Carolina, United States of America | 6 |
| Indiana | 2/7/2022 | Nova Scotia, Canada | 45 |
| New York | 2/7/2022 | Nova Scotia, Canada | 45 |
| Indiana | 2/7/2022 | Prince Edward Island, Canada | 15 |
| New York | 2/7/2022 | Prince Edward Island, Canada | 15 |
| Indiana | 2/7/2022 | Stavropol', Russia | 6 |
| Indiana | 2/7/2022 | Virginia, United States of America | 1 |
| New York | 2/7/2022 | Virginia, United States of America | 1 |
| Delaware | 2/9/2022 | Belgian Exclusive Economic Zone, Belgium | 2 |
| Delaware | 2/9/2022 | British Columbia, Canada | 2 |
| Kentucky | 2/9/2022 | British Columbia, Canada | 2 |
| New Hampshire | 2/9/2022 | British Columbia, Canada | 2 |
| Delaware | 2/9/2022 | Chiba, Japan | 2 |
| Delaware | 2/9/2022 | Dutch Exclusive Economic Zone, Netherlands | 1 |
| Delaware | 2/9/2022 | England, United Kingdom | 84 |
| Delaware | 2/9/2022 | Flevoland, Netherlands | 11 |
| Delaware | 2/9/2022 | Friesland, Netherlands | 11 |
| Delaware | 2/9/2022 | Gelderland, Netherlands | 25 |
| Delaware | 2/9/2022 | Groningen, Netherlands | 1 |
| Delaware | 2/9/2022 | Hokkaido, Japan | 7 |
| Delaware | 2/9/2022 | Hovedstaden, Denmark | 2 |
| Delaware | 2/9/2022 | Isle of Man, United Kingdom | 3 |
| Delaware | 2/9/2022 | Kagoshima, Japan | 2 |
| Delaware | 2/9/2022 | Kyoto, Japan | 1 |
| Delaware | 2/9/2022 | Leiria, Portugal | 1 |
| Delaware | 2/9/2022 | Limburg, Netherlands | 4 |
| Delaware | 2/9/2022 | Lisboa, Portugal | 2 |
| Delaware | 2/9/2022 | Maryland, United States of America | 1 |
| Kentucky | 2/9/2022 | Maryland, United States of America | 1 |
| New Hampshire | 2/9/2022 | Maryland, United States of America | 1 |
| Delaware | 2/9/2022 | Midtjylland, Denmark | 7 |
| Delaware | 2/9/2022 | Moscow City, Russia | 2 |
| Delaware | 2/9/2022 | Newfoundland and Labrador, Canada | 2 |
| Kentucky | 2/9/2022 | Newfoundland and Labrador, Canada | 2 |
| New Hampshire | 2/9/2022 | Newfoundland and Labrador, Canada | 2 |
| Delaware | 2/9/2022 | Noord-Brabant, Netherlands | 7 |
| Delaware | 2/9/2022 | Noord-Holland, Netherlands | 27 |
| Delaware | 2/9/2022 | Nordjylland, Denmark | 2 |
| Delaware | 2/9/2022 | North Carolina, United States of America | 6 |
| Kentucky | 2/9/2022 | North Carolina, United States of America | 6 |
| New Hampshire | 2/9/2022 | North Carolina, United States of America | 6 |
| Delaware | 2/9/2022 | Northern Ireland, United Kingdom | 2 |
| Delaware | 2/9/2022 | Nova Scotia, Canada | 45 |
| Kentucky | 2/9/2022 | Nova Scotia, Canada | 45 |
| New Hampshire | 2/9/2022 | Nova Scotia, Canada | 45 |
| Delaware | 2/9/2022 | Overijssel, Netherlands | 4 |
| Delaware | 2/9/2022 | Prince Edward Island, Canada | 15 |
| Kentucky | 2/9/2022 | Prince Edward Island, Canada | 15 |
| New Hampshire | 2/9/2022 | Prince Edward Island, Canada | 15 |
| Delaware | 2/9/2022 | Santarém, Portugal | 3 |
| Delaware | 2/9/2022 | Scotland, United Kingdom | 45 |
| Delaware | 2/9/2022 | Setúbal, Portugal | 1 |
| Delaware | 2/9/2022 | Sjælland, Denmark | 7 |
| Delaware | 2/9/2022 | Stavropol', Russia | 8 |
| Delaware | 2/9/2022 | Syddanmark, Denmark | 8 |
| Delaware | 2/9/2022 | Utrecht, Netherlands | 9 |
| Delaware | 2/9/2022 | Virginia, United States of America | 1 |
| Kentucky | 2/9/2022 | Virginia, United States of America | 1 |
| New Hampshire | 2/9/2022 | Virginia, United States of America | 1 |
| Delaware | 2/9/2022 | Vlaanderen, Belgium | 25 |
| Delaware | 2/9/2022 | Wales, United Kingdom | 10 |
| Delaware | 2/9/2022 | Wallonie, Belgium | 1 |
| Delaware | 2/9/2022 | Zeeland, Netherlands | 1 |
| Delaware | 2/9/2022 | Zuid-Holland, Netherlands | 24 |
| Maine | 2/14/2022 | British Columbia, Canada | 2 |
| Maine | 2/14/2022 | Delaware, United States of America | 1 |
| Maine | 2/14/2022 | Indiana, United States of America | 3 |
| Maine | 2/14/2022 | Kentucky, United States of America | 4 |
| Maine | 2/14/2022 | Lisboa, Portugal | 6 |
| Maine | 2/14/2022 | Maryland, United States of America | 1 |
| Maine | 2/14/2022 | New Brunswick, Canada | 10 |
| Maine | 2/14/2022 | New Hampshire, United States of America | 1 |
| Maine | 2/14/2022 | New York, United States of America | 2 |
| Maine | 2/14/2022 | Newfoundland and Labrador, Canada | 2 |
| Maine | 2/14/2022 | North Carolina, United States of America | 6 |
| Maine | 2/14/2022 | Nova Scotia, Canada | 39 |
| Maine | 2/14/2022 | Prince Edward Island, Canada | 15 |
| Maine | 2/14/2022 | Setúbal, Portugal | 1 |
| Maine | 2/14/2022 | Virginia, United States of America | 3 |
| Connecticut | 2/16/2022 | British Columbia, Canada | 2 |
| Connecticut | 2/16/2022 | Delaware, United States of America | 1 |
| Connecticut | 2/16/2022 | Indiana, United States of America | 3 |
| Connecticut | 2/16/2022 | Kentucky, United States of America | 4 |
| Connecticut | 2/16/2022 | Maryland, United States of America | 1 |
| Connecticut | 2/16/2022 | New Brunswick, Canada | 18 |
| Connecticut | 2/16/2022 | New Hampshire, United States of America | 1 |
| Connecticut | 2/16/2022 | New York, United States of America | 2 |
| Connecticut | 2/16/2022 | Newfoundland and Labrador, Canada | 2 |
| Connecticut | 2/16/2022 | North Carolina, United States of America | 6 |
| Connecticut | 2/16/2022 | Nova Scotia, Canada | 39 |
| Connecticut | 2/16/2022 | Prince Edward Island, Canada | 15 |
| Connecticut | 2/16/2022 | Virginia, United States of America | 3 |
| Florida | 2/17/2022 | British Columbia, Canada | 2 |
| Iowa | 2/17/2022 | British Columbia, Canada | 2 |
| Florida | 2/17/2022 | Delaware, United States of America | 1 |
| Iowa | 2/17/2022 | Delaware, United States of America | 1 |
| Florida | 2/17/2022 | Indiana, United States of America | 3 |
| Iowa | 2/17/2022 | Indiana, United States of America | 3 |
| Florida | 2/17/2022 | Kentucky, United States of America | 4 |
| Iowa | 2/17/2022 | Kentucky, United States of America | 4 |
| Florida | 2/17/2022 | Maryland, United States of America | 1 |
| Iowa | 2/17/2022 | Maryland, United States of America | 1 |
| Florida | 2/17/2022 | New Brunswick, Canada | 18 |
| Iowa | 2/17/2022 | New Brunswick, Canada | 18 |
| Florida | 2/17/2022 | New Hampshire, United States of America | 1 |
| Iowa | 2/17/2022 | New Hampshire, United States of America | 1 |
| Florida | 2/17/2022 | New York, United States of America | 4 |
| Iowa | 2/17/2022 | New York, United States of America | 4 |
| Florida | 2/17/2022 | Newfoundland and Labrador, Canada | 2 |
| Iowa | 2/17/2022 | Newfoundland and Labrador, Canada | 2 |
| Florida | 2/17/2022 | North Carolina, United States of America | 6 |
| Iowa | 2/17/2022 | North Carolina, United States of America | 6 |
| Florida | 2/17/2022 | Nova Scotia, Canada | 39 |
| Iowa | 2/17/2022 | Nova Scotia, Canada | 39 |
| Florida | 2/17/2022 | Prince Edward Island, Canada | 15 |
| Iowa | 2/17/2022 | Prince Edward Island, Canada | 15 |
| Florida | 2/17/2022 | Vågø, Faeroe Islands | 1 |
| Florida | 2/17/2022 | Virginia, United States of America | 3 |
| Iowa | 2/17/2022 | Virginia, United States of America | 3 |
| Michigan | 2/22/2022 | Andalucía, Spain | 43 |
| Michigan | 2/22/2022 | British Columbia, Canada | 2 |
| Michigan | 2/22/2022 | Castilla y León, Spain | 18 |
| Michigan | 2/22/2022 | Cataluña, Spain | 1 |
| Michigan | 2/22/2022 | Comunidad de Madrid, Spain | 3 |
| Michigan | 2/22/2022 | Connecticut, United States of America | 1 |
| Michigan | 2/22/2022 | Delaware, United States of America | 1 |
| Michigan | 2/22/2022 | Extremadura, Spain | 1 |
| Michigan | 2/22/2022 | Florida, United States of America | 1 |
| Michigan | 2/22/2022 | Indiana, United States of America | 9 |
| Michigan | 2/22/2022 | Iowa, United States of America | 2 |
| Michigan | 2/22/2022 | Kentucky, United States of America | 5 |
| Michigan | 2/22/2022 | Maine, United States of America | 2 |
| Michigan | 2/22/2022 | Maryland, United States of America | 1 |
| Michigan | 2/22/2022 | New Brunswick, Canada | 18 |
| Michigan | 2/22/2022 | New Hampshire, United States of America | 1 |
| Michigan | 2/22/2022 | New York, United States of America | 4 |
| Michigan | 2/22/2022 | North Carolina, United States of America | 2 |
| Michigan | 2/22/2022 | Nova Scotia, Canada | 39 |
| Michigan | 2/22/2022 | Prince Edward Island, Canada | 15 |
| Michigan | 2/22/2022 | Virginia, United States of America | 3 |
| New Jersey | 2/23/2022 | Beja, Portugal | 1 |
| Alabama | 2/23/2022 | British Columbia, Canada | 2 |
| New Jersey | 2/23/2022 | British Columbia, Canada | 2 |
| New Jersey | 2/23/2022 | Chiba, Japan | 1 |
| Alabama | 2/23/2022 | Connecticut, United States of America | 1 |
| New Jersey | 2/23/2022 | Connecticut, United States of America | 1 |
| Alabama | 2/23/2022 | Delaware, United States of America | 1 |
| New Jersey | 2/23/2022 | Delaware, United States of America | 1 |
| New Jersey | 2/23/2022 | England, United Kingdom | 70 |
| New Jersey | 2/23/2022 | Flevoland, Netherlands | 6 |
| Alabama | 2/23/2022 | Florida, United States of America | 1 |
| New Jersey | 2/23/2022 | Florida, United States of America | 1 |
| New Jersey | 2/23/2022 | Friesland, Netherlands | 6 |
| New Jersey | 2/23/2022 | Fukushima, Japan | 1 |
| New Jersey | 2/23/2022 | Gelderland, Netherlands | 46 |
| New Jersey | 2/23/2022 | Groningen, Netherlands | 2 |
| New Jersey | 2/23/2022 | Hokkaido, Japan | 15 |
| Alabama | 2/23/2022 | Indiana, United States of America | 9 |
| New Jersey | 2/23/2022 | Indiana, United States of America | 9 |
| Alabama | 2/23/2022 | Iowa, United States of America | 2 |
| New Jersey | 2/23/2022 | Iowa, United States of America | 2 |
| New Jersey | 2/23/2022 | Isle of Man, United Kingdom | 1 |
| New Jersey | 2/23/2022 | Iwate, Japan | 10 |
| Alabama | 2/23/2022 | Kentucky, United States of America | 5 |
| New Jersey | 2/23/2022 | Kentucky, United States of America | 5 |
| New Jersey | 2/23/2022 | Kyoto, Japan | 1 |
| New Jersey | 2/23/2022 | Limburg, Netherlands | 3 |
| New Jersey | 2/23/2022 | Lisboa, Portugal | 10 |
| Alabama | 2/23/2022 | Maine, United States of America | 4 |
| New Jersey | 2/23/2022 | Maine, United States of America | 4 |
| Alabama | 2/23/2022 | Maryland, United States of America | 1 |
| New Jersey | 2/23/2022 | Maryland, United States of America | 1 |
| Alabama | 2/23/2022 | New Brunswick, Canada | 18 |
| New Jersey | 2/23/2022 | New Brunswick, Canada | 18 |
| Alabama | 2/23/2022 | New Hampshire, United States of America | 1 |
| New Jersey | 2/23/2022 | New Hampshire, United States of America | 1 |
| Alabama | 2/23/2022 | New York, United States of America | 7 |
| New Jersey | 2/23/2022 | New York, United States of America | 7 |
| New Jersey | 2/23/2022 | Noord-Brabant, Netherlands | 6 |
| New Jersey | 2/23/2022 | Noord-Holland, Netherlands | 22 |
| Alabama | 2/23/2022 | North Carolina, United States of America | 2 |
| New Jersey | 2/23/2022 | North Carolina, United States of America | 2 |
| New Jersey | 2/23/2022 | Northern Ireland, United Kingdom | 2 |
| Alabama | 2/23/2022 | Nova Scotia, Canada | 39 |
| New Jersey | 2/23/2022 | Nova Scotia, Canada | 39 |
| New Jersey | 2/23/2022 | Overijssel, Netherlands | 4 |
| New Jersey | 2/23/2022 | Scotland, United Kingdom | 65 |
| New Jersey | 2/23/2022 | Utrecht, Netherlands | 9 |
| Alabama | 2/23/2022 | Virginia, United States of America | 3 |
| New Jersey | 2/23/2022 | Virginia, United States of America | 3 |
| New Jersey | 2/23/2022 | Wales, United Kingdom | 14 |
| New Jersey | 2/23/2022 | Zuid-Holland, Netherlands | 25 |
| Missouri | 2/27/2022 | Alabama, United States of America | 1 |
| Missouri | 2/27/2022 | British Columbia, Canada | 2 |
| Missouri | 2/27/2022 | Connecticut, United States of America | 5 |
| Missouri | 2/27/2022 | Delaware, United States of America | 4 |
| Missouri | 2/27/2022 | Florida, United States of America | 1 |
| Missouri | 2/27/2022 | Indiana, United States of America | 12 |
| Missouri | 2/27/2022 | Iowa, United States of America | 2 |
| Missouri | 2/27/2022 | Kentucky, United States of America | 5 |
| Missouri | 2/27/2022 | Maine, United States of America | 5 |
| Missouri | 2/27/2022 | Maryland, United States of America | 1 |
| Missouri | 2/27/2022 | Michigan, United States of America | 2 |
| Missouri | 2/27/2022 | New Brunswick, Canada | 18 |
| Missouri | 2/27/2022 | New Hampshire, United States of America | 1 |
| Missouri | 2/27/2022 | New Jersey, United States of America | 1 |
| Missouri | 2/27/2022 | New York, United States of America | 7 |
| Missouri | 2/27/2022 | North Carolina, United States of America | 2 |
| Missouri | 2/27/2022 | Nova Scotia, Canada | 20 |
| Missouri | 2/27/2022 | Prince Edward Island, Canada | 9 |
| Missouri | 2/27/2022 | Virginia, United States of America | 3 |
| Massachusetts | 3/1/2022 | Alabama, United States of America | 1 |
| Tennessee | 3/1/2022 | Alabama, United States of America | 1 |
| Massachusetts | 3/1/2022 | British Columbia, Canada | 2 |
| Tennessee | 3/1/2022 | British Columbia, Canada | 2 |
| Massachusetts | 3/1/2022 | Connecticut, United States of America | 5 |
| Tennessee | 3/1/2022 | Connecticut, United States of America | 5 |
| Massachusetts | 3/1/2022 | Delaware, United States of America | 4 |
| Tennessee | 3/1/2022 | Delaware, United States of America | 4 |
| Massachusetts | 3/1/2022 | Florida, United States of America | 1 |
| Tennessee | 3/1/2022 | Florida, United States of America | 1 |
| Massachusetts | 3/1/2022 | Indiana, United States of America | 12 |
| Tennessee | 3/1/2022 | Indiana, United States of America | 12 |
| Massachusetts | 3/1/2022 | Iowa, United States of America | 2 |
| Tennessee | 3/1/2022 | Iowa, United States of America | 2 |
| Massachusetts | 3/1/2022 | Kentucky, United States of America | 5 |
| Tennessee | 3/1/2022 | Kentucky, United States of America | 5 |
| Massachusetts | 3/1/2022 | Maine, United States of America | 5 |
| Tennessee | 3/1/2022 | Maine, United States of America | 5 |
| Massachusetts | 3/1/2022 | Maryland, United States of America | 1 |
| Tennessee | 3/1/2022 | Maryland, United States of America | 1 |
| Massachusetts | 3/1/2022 | Michigan, United States of America | 2 |
| Tennessee | 3/1/2022 | Michigan, United States of America | 2 |
| Massachusetts | 3/1/2022 | New Brunswick, Canada | 18 |
| Tennessee | 3/1/2022 | New Brunswick, Canada | 18 |
| Massachusetts | 3/1/2022 | New Hampshire, United States of America | 1 |
| Tennessee | 3/1/2022 | New Hampshire, United States of America | 1 |
| Massachusetts | 3/1/2022 | New Jersey, United States of America | 1 |
| Tennessee | 3/1/2022 | New Jersey, United States of America | 1 |
| Massachusetts | 3/1/2022 | New York, United States of America | 7 |
| Tennessee | 3/1/2022 | New York, United States of America | 7 |
| Massachusetts | 3/1/2022 | North Carolina, United States of America | 2 |
| Tennessee | 3/1/2022 | North Carolina, United States of America | 2 |
| Massachusetts | 3/1/2022 | Nova Scotia, Canada | 16 |
| Tennessee | 3/1/2022 | Nova Scotia, Canada | 16 |
| Massachusetts | 3/1/2022 | Prince Edward Island, Canada | 9 |
| Tennessee | 3/1/2022 | Prince Edward Island, Canada | 9 |
| Massachusetts | 3/1/2022 | Virginia, United States of America | 3 |
| Tennessee | 3/1/2022 | Virginia, United States of America | 3 |
| Ohio | 3/2/2022 | Alabama, United States of America | 1 |
| Ohio | 3/2/2022 | British Columbia, Canada | 2 |
| Ohio | 3/2/2022 | Connecticut, United States of America | 5 |
| Ohio | 3/2/2022 | Delaware, United States of America | 4 |
| Ohio | 3/2/2022 | Florida, United States of America | 1 |
| Ohio | 3/2/2022 | Indiana, United States of America | 12 |
| Ohio | 3/2/2022 | Iowa, United States of America | 2 |
| Ohio | 3/2/2022 | Kentucky, United States of America | 5 |
| Ohio | 3/2/2022 | Maine, United States of America | 5 |
| Ohio | 3/2/2022 | Maryland, United States of America | 1 |
| Ohio | 3/2/2022 | Michigan, United States of America | 2 |
| Ohio | 3/2/2022 | New Brunswick, Canada | 18 |
| Ohio | 3/2/2022 | New Hampshire, United States of America | 1 |
| Ohio | 3/2/2022 | New Jersey, United States of America | 1 |
| Ohio | 3/2/2022 | New York, United States of America | 8 |
| Ohio | 3/2/2022 | North Carolina, United States of America | 2 |
| Ohio | 3/2/2022 | Nova Scotia, Canada | 16 |
| Ohio | 3/2/2022 | Prince Edward Island, Canada | 9 |
| Ohio | 3/2/2022 | Virginia, United States of America | 3 |
| South Dakota | 3/3/2022 | Alabama, United States of America | 1 |
| South Dakota | 3/3/2022 | British Columbia, Canada | 2 |
| South Dakota | 3/3/2022 | Connecticut, United States of America | 5 |
| South Dakota | 3/3/2022 | Delaware, United States of America | 4 |
| South Dakota | 3/3/2022 | Florida, United States of America | 1 |
| South Dakota | 3/3/2022 | Indiana, United States of America | 12 |
| South Dakota | 3/3/2022 | Iowa, United States of America | 2 |
| South Dakota | 3/3/2022 | Kentucky, United States of America | 5 |
| South Dakota | 3/3/2022 | Maine, United States of America | 5 |
| South Dakota | 3/3/2022 | Maryland, United States of America | 1 |
| South Dakota | 3/3/2022 | Michigan, United States of America | 2 |
| South Dakota | 3/3/2022 | Missouri, United States of America | 2 |
| South Dakota | 3/3/2022 | New Brunswick, Canada | 18 |
| South Dakota | 3/3/2022 | New Hampshire, United States of America | 1 |
| South Dakota | 3/3/2022 | New Jersey, United States of America | 1 |
| South Dakota | 3/3/2022 | New York, United States of America | 8 |
| South Dakota | 3/3/2022 | North Carolina, United States of America | 2 |
| South Dakota | 3/3/2022 | Nova Scotia, Canada | 16 |
| South Dakota | 3/3/2022 | Prince Edward Island, Canada | 9 |
| South Dakota | 3/3/2022 | Stavropol', Russia | 8 |
| South Dakota | 3/3/2022 | Virginia, United States of America | 3 |
| Nebraska | 3/5/2022 | Alabama, United States of America | 1 |
| Nebraska | 3/5/2022 | British Columbia, Canada | 2 |
| Nebraska | 3/5/2022 | Connecticut, United States of America | 5 |
| Nebraska | 3/5/2022 | Delaware, United States of America | 4 |
| Nebraska | 3/5/2022 | Florida, United States of America | 1 |
| Nebraska | 3/5/2022 | Indiana, United States of America | 14 |
| Nebraska | 3/5/2022 | Iowa, United States of America | 2 |
| Nebraska | 3/5/2022 | Kentucky, United States of America | 5 |
| Nebraska | 3/5/2022 | Maine, United States of America | 5 |
| Nebraska | 3/5/2022 | Maryland, United States of America | 1 |
| Nebraska | 3/5/2022 | Massachusetts, United States of America | 1 |
| Nebraska | 3/5/2022 | Michigan, United States of America | 2 |
| Nebraska | 3/5/2022 | Missouri, United States of America | 4 |
| Nebraska | 3/5/2022 | New Brunswick, Canada | 18 |
| Nebraska | 3/5/2022 | New Hampshire, United States of America | 1 |
| Nebraska | 3/5/2022 | New Jersey, United States of America | 1 |
| Nebraska | 3/5/2022 | New York, United States of America | 8 |
| Nebraska | 3/5/2022 | North Carolina, United States of America | 2 |
| Nebraska | 3/5/2022 | Nova Scotia, Canada | 4 |
| Nebraska | 3/5/2022 | Prince Edward Island, Canada | 9 |
| Nebraska | 3/5/2022 | Stavropol', Russia | 2 |
| Nebraska | 3/5/2022 | Tennessee, United States of America | 1 |
| Nebraska | 3/5/2022 | Virginia, United States of America | 2 |
| Illinois | 3/6/2022 | Alabama, United States of America | 1 |
| Illinois | 3/6/2022 | British Columbia, Canada | 2 |
| Illinois | 3/6/2022 | Connecticut, United States of America | 5 |
| Illinois | 3/6/2022 | Delaware, United States of America | 4 |
| Illinois | 3/6/2022 | Florida, United States of America | 1 |
| Illinois | 3/6/2022 | Indiana, United States of America | 14 |
| Illinois | 3/6/2022 | Iowa, United States of America | 2 |
| Illinois | 3/6/2022 | Kentucky, United States of America | 5 |
| Illinois | 3/6/2022 | Maine, United States of America | 5 |
| Illinois | 3/6/2022 | Maryland, United States of America | 2 |
| Illinois | 3/6/2022 | Massachusetts, United States of America | 1 |
| Illinois | 3/6/2022 | Michigan, United States of America | 2 |
| Illinois | 3/6/2022 | Missouri, United States of America | 4 |
| Illinois | 3/6/2022 | New Brunswick, Canada | 18 |
| Illinois | 3/6/2022 | New Hampshire, United States of America | 1 |
| Illinois | 3/6/2022 | New Jersey, United States of America | 1 |
| Illinois | 3/6/2022 | New York, United States of America | 8 |
| Illinois | 3/6/2022 | North Carolina, United States of America | 2 |
| Illinois | 3/6/2022 | Nova Scotia, Canada | 2 |
| Illinois | 3/6/2022 | Ohio, United States of America | 1 |
| Illinois | 3/6/2022 | Prince Edward Island, Canada | 9 |
| Illinois | 3/6/2022 | Tennessee, United States of America | 1 |
| Illinois | 3/6/2022 | Virginia, United States of America | 2 |
| Kansas | 3/9/2022 | Alabama, United States of America | 1 |
| Kansas | 3/9/2022 | Connecticut, United States of America | 5 |
| Kansas | 3/9/2022 | Delaware, United States of America | 4 |
| Kansas | 3/9/2022 | Florida, United States of America | 1 |
| Kansas | 3/9/2022 | Indiana, United States of America | 14 |
| Kansas | 3/9/2022 | Iowa, United States of America | 2 |
| Kansas | 3/9/2022 | Kentucky, United States of America | 5 |
| Kansas | 3/9/2022 | Maine, United States of America | 5 |
| Kansas | 3/9/2022 | Maryland, United States of America | 6 |
| Kansas | 3/9/2022 | Massachusetts, United States of America | 1 |
| Kansas | 3/9/2022 | Michigan, United States of America | 2 |
| Kansas | 3/9/2022 | Missouri, United States of America | 4 |
| Kansas | 3/9/2022 | Nebraska, United States of America | 2 |
| Kansas | 3/9/2022 | New Brunswick, Canada | 53 |
| Kansas | 3/9/2022 | New Hampshire, United States of America | 1 |
| Kansas | 3/9/2022 | New Jersey, United States of America | 1 |
| Kansas | 3/9/2022 | New York, United States of America | 8 |
| Kansas | 3/9/2022 | North Carolina, United States of America | 4 |
| Kansas | 3/9/2022 | Nova Scotia, Canada | 2 |
| Kansas | 3/9/2022 | Ohio, United States of America | 1 |
| Kansas | 3/9/2022 | Prince Edward Island, Canada | 9 |
| Kansas | 3/9/2022 | South Dakota, United States of America | 2 |
| Kansas | 3/9/2022 | Tennessee, United States of America | 1 |
| Kansas | 3/9/2022 | Virginia, United States of America | 2 |
| Wisconsin | 3/13/2022 | Alabama, United States of America | 1 |
| Wisconsin | 3/13/2022 | Connecticut, United States of America | 5 |
| Wisconsin | 3/13/2022 | Delaware, United States of America | 5 |
| Wisconsin | 3/13/2022 | Florida, United States of America | 2 |
| Wisconsin | 3/13/2022 | Illinois, United States of America | 3 |
| Wisconsin | 3/13/2022 | Indiana, United States of America | 12 |
| Wisconsin | 3/13/2022 | Iowa, United States of America | 7 |
| Wisconsin | 3/13/2022 | Kansas, United States of America | 2 |
| Wisconsin | 3/13/2022 | Kentucky, United States of America | 3 |
| Wisconsin | 3/13/2022 | Maine, United States of America | 10 |
| Wisconsin | 3/13/2022 | Maryland, United States of America | 8 |
| Wisconsin | 3/13/2022 | Massachusetts, United States of America | 1 |
| Wisconsin | 3/13/2022 | Michigan, United States of America | 3 |
| Wisconsin | 3/13/2022 | Missouri, United States of America | 9 |
| Wisconsin | 3/13/2022 | Nebraska, United States of America | 3 |
| Wisconsin | 3/13/2022 | New Brunswick, Canada | 53 |
| Wisconsin | 3/13/2022 | New Jersey, United States of America | 1 |
| Wisconsin | 3/13/2022 | New York, United States of America | 6 |
| Wisconsin | 3/13/2022 | North Carolina, United States of America | 4 |
| Wisconsin | 3/13/2022 | Nova Scotia, Canada | 2 |
| Wisconsin | 3/13/2022 | Ohio, United States of America | 1 |
| Wisconsin | 3/13/2022 | Prince Edward Island, Canada | 9 |
| Wisconsin | 3/13/2022 | South Dakota, United States of America | 2 |
| Wisconsin | 3/13/2022 | Tennessee, United States of America | 1 |
| Texas | 3/18/2022 | Alabama, United States of America | 1 |
| Texas | 3/18/2022 | Connecticut, United States of America | 5 |
| Texas | 3/18/2022 | Delaware, United States of America | 5 |
| Texas | 3/18/2022 | Florida, United States of America | 4 |
| Texas | 3/18/2022 | Illinois, United States of America | 3 |
| Texas | 3/18/2022 | Indiana, United States of America | 10 |
| Texas | 3/18/2022 | Iowa, United States of America | 8 |
| Texas | 3/18/2022 | Kansas, United States of America | 8 |
| Texas | 3/18/2022 | Kentucky, United States of America | 1 |
| Texas | 3/18/2022 | Maine, United States of America | 10 |
| Texas | 3/18/2022 | Maryland, United States of America | 8 |
| Texas | 3/18/2022 | Massachusetts, United States of America | 1 |
| Texas | 3/18/2022 | Michigan, United States of America | 3 |
| Texas | 3/18/2022 | Missouri, United States of America | 12 |
| Texas | 3/18/2022 | Nebraska, United States of America | 3 |
| Texas | 3/18/2022 | New Brunswick, Canada | 35 |
| Texas | 3/18/2022 | New Hampshire, United States of America | 3 |
| Texas | 3/18/2022 | New Jersey, United States of America | 1 |
| Texas | 3/18/2022 | New York, United States of America | 4 |
| Texas | 3/18/2022 | North Carolina, United States of America | 4 |
| Texas | 3/18/2022 | Nova Scotia, Canada | 2 |
| Texas | 3/18/2022 | Ohio, United States of America | 2 |
| Texas | 3/18/2022 | Ontario, Canada | 12 |
| Texas | 3/18/2022 | Prince Edward Island, Canada | 9 |
| Texas | 3/18/2022 | South Dakota, United States of America | 5 |
| Texas | 3/18/2022 | Tennessee, United States of America | 1 |
| Texas | 3/18/2022 | Wisconsin, United States of America | 3 |
| Colorado | 3/24/2022 | Alabama, United States of America | 1 |
| Pennsylvania | 3/24/2022 | Alabama, United States of America | 1 |
| Colorado | 3/24/2022 | Astrakhan', Russia | 1 |
| Colorado | 3/24/2022 | Connecticut, United States of America | 4 |
| Pennsylvania | 3/24/2022 | Connecticut, United States of America | 4 |
| Colorado | 3/24/2022 | Delaware, United States of America | 4 |
| Pennsylvania | 3/24/2022 | Delaware, United States of America | 4 |
| Colorado | 3/24/2022 | Florida, United States of America | 6 |
| Pennsylvania | 3/24/2022 | Florida, United States of America | 6 |
| Colorado | 3/24/2022 | Hokkaido, Japan | 9 |
| Colorado | 3/24/2022 | Illinois, United States of America | 3 |
| Pennsylvania | 3/24/2022 | Illinois, United States of America | 3 |
| Colorado | 3/24/2022 | Indiana, United States of America | 6 |
| Pennsylvania | 3/24/2022 | Indiana, United States of America | 6 |
| Colorado | 3/24/2022 | Iowa, United States of America | 12 |
| Pennsylvania | 3/24/2022 | Iowa, United States of America | 12 |
| Colorado | 3/24/2022 | Iwate, Japan | 12 |
| Colorado | 3/24/2022 | Kansas, United States of America | 11 |
| Pennsylvania | 3/24/2022 | Kansas, United States of America | 11 |
| Colorado | 3/24/2022 | Maine, United States of America | 17 |
| Pennsylvania | 3/24/2022 | Maine, United States of America | 17 |
| Colorado | 3/24/2022 | Maryland, United States of America | 11 |
| Pennsylvania | 3/24/2022 | Maryland, United States of America | 11 |
| Colorado | 3/24/2022 | Massachusetts, United States of America | 5 |
| Pennsylvania | 3/24/2022 | Massachusetts, United States of America | 5 |
| Colorado | 3/24/2022 | Michigan, United States of America | 6 |
| Pennsylvania | 3/24/2022 | Michigan, United States of America | 6 |
| Colorado | 3/24/2022 | Missouri, United States of America | 12 |
| Pennsylvania | 3/24/2022 | Missouri, United States of America | 12 |
| Colorado | 3/24/2022 | Nebraska, United States of America | 5 |
| Pennsylvania | 3/24/2022 | Nebraska, United States of America | 5 |
| Colorado | 3/24/2022 | New Brunswick, Canada | 35 |
| Pennsylvania | 3/24/2022 | New Brunswick, Canada | 35 |
| Colorado | 3/24/2022 | New Hampshire, United States of America | 4 |
| Pennsylvania | 3/24/2022 | New Hampshire, United States of America | 4 |
| Colorado | 3/24/2022 | New Jersey, United States of America | 1 |
| Pennsylvania | 3/24/2022 | New Jersey, United States of America | 1 |
| Colorado | 3/24/2022 | New York, United States of America | 1 |
| Pennsylvania | 3/24/2022 | New York, United States of America | 1 |
| Colorado | 3/24/2022 | North Carolina, United States of America | 2 |
| Pennsylvania | 3/24/2022 | North Carolina, United States of America | 2 |
| Colorado | 3/24/2022 | Nova Scotia, Canada | 27 |
| Pennsylvania | 3/24/2022 | Nova Scotia, Canada | 27 |
| Colorado | 3/24/2022 | Ohio, United States of America | 2 |
| Pennsylvania | 3/24/2022 | Ohio, United States of America | 2 |
| Colorado | 3/24/2022 | Ontario, Canada | 19 |
| Pennsylvania | 3/24/2022 | Ontario, Canada | 19 |
| Colorado | 3/24/2022 | Prince Edward Island, Canada | 11 |
| Pennsylvania | 3/24/2022 | Prince Edward Island, Canada | 11 |
| Colorado | 3/24/2022 | Québec, Canada | 10 |
| Pennsylvania | 3/24/2022 | Québec, Canada | 10 |
| Colorado | 3/24/2022 | South Dakota, United States of America | 16 |
| Pennsylvania | 3/24/2022 | South Dakota, United States of America | 16 |
| Colorado | 3/24/2022 | Tennessee, United States of America | 1 |
| Pennsylvania | 3/24/2022 | Tennessee, United States of America | 1 |
| Colorado | 3/24/2022 | Texas, United States of America | 3 |
| Pennsylvania | 3/24/2022 | Texas, United States of America | 3 |
| Colorado | 3/24/2022 | Wisconsin, United States of America | 3 |
| Pennsylvania | 3/24/2022 | Wisconsin, United States of America | 3 |
| Minnesota | 3/25/2022 | Alabama, United States of America | 1 |
| Wyoming | 3/25/2022 | Alabama, United States of America | 1 |
| Wyoming | 3/25/2022 | Astrakhan', Russia | 1 |
| Minnesota | 3/25/2022 | Connecticut, United States of America | 4 |
| Wyoming | 3/25/2022 | Connecticut, United States of America | 4 |
| Minnesota | 3/25/2022 | Delaware, United States of America | 4 |
| Wyoming | 3/25/2022 | Delaware, United States of America | 4 |
| Minnesota | 3/25/2022 | Florida, United States of America | 7 |
| Wyoming | 3/25/2022 | Florida, United States of America | 7 |
| Minnesota | 3/25/2022 | Hokkaido, Japan | 9 |
| Minnesota | 3/25/2022 | Illinois, United States of America | 3 |
| Wyoming | 3/25/2022 | Illinois, United States of America | 3 |
| Minnesota | 3/25/2022 | Indiana, United States of America | 6 |
| Wyoming | 3/25/2022 | Indiana, United States of America | 6 |
| Minnesota | 3/25/2022 | Iowa, United States of America | 12 |
| Wyoming | 3/25/2022 | Iowa, United States of America | 12 |
| Minnesota | 3/25/2022 | Iwate, Japan | 10 |
| Minnesota | 3/25/2022 | Kansas, United States of America | 11 |
| Wyoming | 3/25/2022 | Kansas, United States of America | 11 |
| Minnesota | 3/25/2022 | Maine, United States of America | 19 |
| Wyoming | 3/25/2022 | Maine, United States of America | 19 |
| Minnesota | 3/25/2022 | Maryland, United States of America | 11 |
| Wyoming | 3/25/2022 | Maryland, United States of America | 11 |
| Minnesota | 3/25/2022 | Massachusetts, United States of America | 5 |
| Wyoming | 3/25/2022 | Massachusetts, United States of America | 5 |
| Minnesota | 3/25/2022 | Michigan, United States of America | 6 |
| Wyoming | 3/25/2022 | Michigan, United States of America | 6 |
| Minnesota | 3/25/2022 | Missouri, United States of America | 12 |
| Wyoming | 3/25/2022 | Missouri, United States of America | 12 |
| Minnesota | 3/25/2022 | Nebraska, United States of America | 5 |
| Wyoming | 3/25/2022 | Nebraska, United States of America | 5 |
| Minnesota | 3/25/2022 | New Brunswick, Canada | 35 |
| Wyoming | 3/25/2022 | New Brunswick, Canada | 35 |
| Minnesota | 3/25/2022 | New Hampshire, United States of America | 4 |
| Wyoming | 3/25/2022 | New Hampshire, United States of America | 4 |
| Minnesota | 3/25/2022 | New Jersey, United States of America | 1 |
| Wyoming | 3/25/2022 | New Jersey, United States of America | 1 |
| Minnesota | 3/25/2022 | New York, United States of America | 5 |
| Wyoming | 3/25/2022 | New York, United States of America | 5 |
| Minnesota | 3/25/2022 | North Carolina, United States of America | 2 |
| Wyoming | 3/25/2022 | North Carolina, United States of America | 2 |
| Minnesota | 3/25/2022 | Nova Scotia, Canada | 29 |
| Wyoming | 3/25/2022 | Nova Scotia, Canada | 29 |
| Minnesota | 3/25/2022 | Ohio, United States of America | 2 |
| Wyoming | 3/25/2022 | Ohio, United States of America | 2 |
| Minnesota | 3/25/2022 | Ontario, Canada | 19 |
| Wyoming | 3/25/2022 | Ontario, Canada | 19 |
| Minnesota | 3/25/2022 | Prince Edward Island, Canada | 11 |
| Wyoming | 3/25/2022 | Prince Edward Island, Canada | 11 |
| Minnesota | 3/25/2022 | Québec, Canada | 10 |
| Wyoming | 3/25/2022 | Québec, Canada | 10 |
| Minnesota | 3/25/2022 | South Dakota, United States of America | 21 |
| Wyoming | 3/25/2022 | South Dakota, United States of America | 21 |
| Minnesota | 3/25/2022 | Tennessee, United States of America | 1 |
| Wyoming | 3/25/2022 | Tennessee, United States of America | 1 |
| Minnesota | 3/25/2022 | Texas, United States of America | 3 |
| Wyoming | 3/25/2022 | Texas, United States of America | 3 |
| Minnesota | 3/25/2022 | Wisconsin, United States of America | 3 |
| Wyoming | 3/25/2022 | Wisconsin, United States of America | 3 |
| North Dakota | 3/27/2022 | Delaware, United States of America | 4 |
| North Dakota | 3/27/2022 | Florida, United States of America | 7 |
| North Dakota | 3/27/2022 | Illinois, United States of America | 3 |
| North Dakota | 3/27/2022 | Indiana, United States of America | 3 |
| North Dakota | 3/27/2022 | Iowa, United States of America | 14 |
| North Dakota | 3/27/2022 | Kansas, United States of America | 11 |
| North Dakota | 3/27/2022 | Maine, United States of America | 18 |
| North Dakota | 3/27/2022 | Maryland, United States of America | 11 |
| North Dakota | 3/27/2022 | Massachusetts, United States of America | 5 |
| North Dakota | 3/27/2022 | Michigan, United States of America | 4 |
| North Dakota | 3/27/2022 | Missouri, United States of America | 15 |
| North Dakota | 3/27/2022 | Nebraska, United States of America | 10 |
| North Dakota | 3/27/2022 | New Brunswick, Canada | 35 |
| North Dakota | 3/27/2022 | New Hampshire, United States of America | 4 |
| North Dakota | 3/27/2022 | New York, United States of America | 6 |
| North Dakota | 3/27/2022 | North Carolina, United States of America | 2 |
| North Dakota | 3/27/2022 | Nova Scotia, Canada | 29 |
| North Dakota | 3/27/2022 | Ohio, United States of America | 2 |
| North Dakota | 3/27/2022 | Ontario, Canada | 19 |
| North Dakota | 3/27/2022 | Prince Edward Island, Canada | 2 |
| North Dakota | 3/27/2022 | Québec, Canada | 10 |
| North Dakota | 3/27/2022 | South Dakota, United States of America | 31 |
| North Dakota | 3/27/2022 | Tennessee, United States of America | 1 |
| North Dakota | 3/27/2022 | Texas, United States of America | 3 |
| North Dakota | 3/27/2022 | Wisconsin, United States of America | 3 |
| Montana | 3/29/2022 | Astrakhan', Russia | 1 |
| Montana | 3/29/2022 | Colorado, United States of America | 1 |
| Montana | 3/29/2022 | Delaware, United States of America | 4 |
| Montana | 3/29/2022 | Florida, United States of America | 7 |
| Montana | 3/29/2022 | Illinois, United States of America | 3 |
| Montana | 3/29/2022 | Indiana, United States of America | 3 |
| Montana | 3/29/2022 | Iowa, United States of America | 16 |
| Montana | 3/29/2022 | Kansas, United States of America | 11 |
| Montana | 3/29/2022 | Maine, United States of America | 18 |
| Montana | 3/29/2022 | Maryland, United States of America | 11 |
| Montana | 3/29/2022 | Massachusetts, United States of America | 5 |
| Montana | 3/29/2022 | Michigan, United States of America | 5 |
| Montana | 3/29/2022 | Minnesota, United States of America | 5 |
| Montana | 3/29/2022 | Missouri, United States of America | 15 |
| Montana | 3/29/2022 | Nebraska, United States of America | 10 |
| Montana | 3/29/2022 | New Brunswick, Canada | 35 |
| Montana | 3/29/2022 | New Hampshire, United States of America | 4 |
| Montana | 3/29/2022 | New York, United States of America | 13 |
| Montana | 3/29/2022 | Newfoundland and Labrador, Canada | 2 |
| Montana | 3/29/2022 | North Carolina, United States of America | 2 |
| Montana | 3/29/2022 | Nova Scotia, Canada | 29 |
| Montana | 3/29/2022 | Ohio, United States of America | 2 |
| Montana | 3/29/2022 | Ontario, Canada | 33 |
| Montana | 3/29/2022 | Pennsylvania, United States of America | 1 |
| Montana | 3/29/2022 | Prince Edward Island, Canada | 2 |
| Montana | 3/29/2022 | Québec, Canada | 16 |
| Montana | 3/29/2022 | South Dakota, United States of America | 39 |
| Montana | 3/29/2022 | Tennessee, United States of America | 1 |
| Montana | 3/29/2022 | Texas, United States of America | 3 |
| Montana | 3/29/2022 | Wisconsin, United States of America | 5 |
| Montana | 3/29/2022 | Wyoming, United States of America | 4 |
| Idaho | 4/1/2022 | Astrakhan', Russia | 1 |
| Idaho | 4/1/2022 | Colorado, United States of America | 1 |
| Idaho | 4/1/2022 | Delaware, United States of America | 4 |
| Idaho | 4/1/2022 | Florida, United States of America | 7 |
| Idaho | 4/1/2022 | Illinois, United States of America | 5 |
| Idaho | 4/1/2022 | Indiana, United States of America | 3 |
| Idaho | 4/1/2022 | Iowa, United States of America | 21 |
| Idaho | 4/1/2022 | Kansas, United States of America | 11 |
| Idaho | 4/1/2022 | Maine, United States of America | 20 |
| Idaho | 4/1/2022 | Maryland, United States of America | 11 |
| Idaho | 4/1/2022 | Massachusetts, United States of America | 5 |
| Idaho | 4/1/2022 | Michigan, United States of America | 5 |
| Idaho | 4/1/2022 | Minnesota, United States of America | 12 |
| Idaho | 4/1/2022 | Missouri, United States of America | 13 |
| Idaho | 4/1/2022 | Nebraska, United States of America | 10 |
| Idaho | 4/1/2022 | New Brunswick, Canada | 35 |
| Idaho | 4/1/2022 | New Hampshire, United States of America | 4 |
| Idaho | 4/1/2022 | New York, United States of America | 12 |
| Idaho | 4/1/2022 | Newfoundland and Labrador, Canada | 2 |
| Idaho | 4/1/2022 | North Carolina, United States of America | 4 |
| Idaho | 4/1/2022 | North Dakota, United States of America | 2 |
| Idaho | 4/1/2022 | Nova Scotia, Canada | 29 |
| Idaho | 4/1/2022 | Ohio, United States of America | 4 |
| Idaho | 4/1/2022 | Ontario, Canada | 33 |
| Idaho | 4/1/2022 | Pennsylvania, United States of America | 1 |
| Idaho | 4/1/2022 | Prince Edward Island, Canada | 2 |
| Idaho | 4/1/2022 | Québec, Canada | 16 |
| Idaho | 4/1/2022 | Saskatchewan, Canada | 55 |
| Idaho | 4/1/2022 | South Dakota, United States of America | 54 |
| Idaho | 4/1/2022 | Tennessee, United States of America | 1 |
| Idaho | 4/1/2022 | Texas, United States of America | 3 |
| Idaho | 4/1/2022 | Wisconsin, United States of America | 5 |
| Idaho | 4/1/2022 | Wyoming, United States of America | 8 |
| Vermont | 4/7/2022 | Colorado, United States of America | 3 |
| Vermont | 4/7/2022 | Delaware, United States of America | 4 |
| Vermont | 4/7/2022 | Florida, United States of America | 10 |
| Vermont | 4/7/2022 | Idaho, United States of America | 1 |
| Vermont | 4/7/2022 | Illinois, United States of America | 3 |
| Vermont | 4/7/2022 | Indiana, United States of America | 3 |
| Vermont | 4/7/2022 | Iowa, United States of America | 32 |
| Vermont | 4/7/2022 | Kansas, United States of America | 11 |
| Vermont | 4/7/2022 | Maine, United States of America | 22 |
| Vermont | 4/7/2022 | Maryland, United States of America | 5 |
| Vermont | 4/7/2022 | Massachusetts, United States of America | 4 |
| Vermont | 4/7/2022 | Michigan, United States of America | 5 |
| Vermont | 4/7/2022 | Minnesota, United States of America | 49 |
| Vermont | 4/7/2022 | Missouri, United States of America | 16 |
| Vermont | 4/7/2022 | Montana, United States of America | 4 |
| Vermont | 4/7/2022 | Nebraska, United States of America | 9 |
| Vermont | 4/7/2022 | New Hampshire, United States of America | 4 |
| Vermont | 4/7/2022 | New York, United States of America | 18 |
| Vermont | 4/7/2022 | Newfoundland and Labrador, Canada | 9 |
| Vermont | 4/7/2022 | North Carolina, United States of America | 10 |
| Vermont | 4/7/2022 | North Dakota, United States of America | 14 |
| Vermont | 4/7/2022 | Nova Scotia, Canada | 29 |
| Vermont | 4/7/2022 | Ohio, United States of America | 3 |
| Vermont | 4/7/2022 | Ontario, Canada | 60 |
| Vermont | 4/7/2022 | Pennsylvania, United States of America | 1 |
| Vermont | 4/7/2022 | Prince Edward Island, Canada | 2 |
| Vermont | 4/7/2022 | Québec, Canada | 18 |
| Vermont | 4/7/2022 | Saskatchewan, Canada | 59 |
| Vermont | 4/7/2022 | South Dakota, United States of America | 77 |
| Vermont | 4/7/2022 | Texas, United States of America | 3 |
| Vermont | 4/7/2022 | Wisconsin, United States of America | 10 |
| Vermont | 4/7/2022 | Wyoming, United States of America | 10 |
| Utah | 4/11/2022 | Alberta, Canada | 62 |
| Utah | 4/11/2022 | Astrakhan', Russia | 1 |
| Utah | 4/11/2022 | British Columbia, Canada | 7 |
| Utah | 4/11/2022 | Colorado, United States of America | 3 |
| Utah | 4/11/2022 | Delaware, United States of America | 2 |
| Utah | 4/11/2022 | Florida, United States of America | 7 |
| Utah | 4/11/2022 | Idaho, United States of America | 1 |
| Utah | 4/11/2022 | Illinois, United States of America | 2 |
| Utah | 4/11/2022 | Indiana, United States of America | 2 |
| Utah | 4/11/2022 | Iowa, United States of America | 30 |
| Utah | 4/11/2022 | Kansas, United States of America | 9 |
| Utah | 4/11/2022 | Maine, United States of America | 17 |
| Utah | 4/11/2022 | Maryland, United States of America | 3 |
| Utah | 4/11/2022 | Massachusetts, United States of America | 4 |
| Utah | 4/11/2022 | Michigan, United States of America | 6 |
| Utah | 4/11/2022 | Minnesota, United States of America | 74 |
| Utah | 4/11/2022 | Missouri, United States of America | 10 |
| Utah | 4/11/2022 | Montana, United States of America | 7 |
| Utah | 4/11/2022 | Nebraska, United States of America | 9 |
| Utah | 4/11/2022 | New Hampshire, United States of America | 4 |
| Utah | 4/11/2022 | New York, United States of America | 19 |
| Utah | 4/11/2022 | Newfoundland and Labrador, Canada | 9 |
| Utah | 4/11/2022 | North Carolina, United States of America | 16 |
| Utah | 4/11/2022 | North Dakota, United States of America | 19 |
| Utah | 4/11/2022 | Nova Scotia, Canada | 27 |
| Utah | 4/11/2022 | Ohio, United States of America | 2 |
| Utah | 4/11/2022 | Ontario, Canada | 60 |
| Utah | 4/11/2022 | Pennsylvania, United States of America | 1 |
| Utah | 4/11/2022 | Prince Edward Island, Canada | 2 |
| Utah | 4/11/2022 | Québec, Canada | 89 |
| Utah | 4/11/2022 | Saskatchewan, Canada | 59 |
| Utah | 4/11/2022 | South Dakota, United States of America | 87 |
| Utah | 4/11/2022 | Texas, United States of America | 3 |
| Utah | 4/11/2022 | Vermont, United States of America | 1 |
| Utah | 4/11/2022 | Wisconsin, United States of America | 10 |
| Utah | 4/11/2022 | Wyoming, United States of America | 11 |
| Washington | 4/25/2022 | Alberta, Canada | 118 |
| Washington | 4/25/2022 | Bretagne, France | 4 |
| Washington | 4/25/2022 | British Columbia, Canada | 14 |
| Washington | 4/25/2022 | Centre-Val de Loire, France | 2 |
| Washington | 4/25/2022 | Colorado, United States of America | 6 |
| Washington | 4/25/2022 | England, United Kingdom | 63 |
| Washington | 4/25/2022 | Florida, United States of America | 5 |
| Washington | 4/25/2022 | Grand Est, France | 1 |
| Washington | 4/25/2022 | Idaho, United States of America | 6 |
| Washington | 4/25/2022 | Illinois, United States of America | 4 |
| Washington | 4/25/2022 | Indiana, United States of America | 7 |
| Washington | 4/25/2022 | Iowa, United States of America | 25 |
| Washington | 4/25/2022 | Kansas, United States of America | 2 |
| Washington | 4/25/2022 | Khabarovsk, Russia | 1 |
| Washington | 4/25/2022 | Maine, United States of America | 4 |
| Washington | 4/25/2022 | Manitoba, Canada | 50 |
| Washington | 4/25/2022 | Michigan, United States of America | 9 |
| Washington | 4/25/2022 | Minnesota, United States of America | 147 |
| Washington | 4/25/2022 | Missouri, United States of America | 7 |
| Washington | 4/25/2022 | Montana, United States of America | 12 |
| Washington | 4/25/2022 | Nebraska, United States of America | 9 |
| Washington | 4/25/2022 | New Brunswick, Canada | 4 |
| Washington | 4/25/2022 | New York, United States of America | 17 |
| Washington | 4/25/2022 | Newfoundland and Labrador, Canada | 9 |
| Washington | 4/25/2022 | Normandie, France | 5 |
| Washington | 4/25/2022 | North Carolina, United States of America | 18 |
| Washington | 4/25/2022 | North Dakota, United States of America | 28 |
| Washington | 4/25/2022 | Nouvelle-Aquitaine, France | 95 |
| Washington | 4/25/2022 | Occitanie, France | 37 |
| Washington | 4/25/2022 | Ohio, United States of America | 2 |
| Washington | 4/25/2022 | Ontario, Canada | 77 |
| Washington | 4/25/2022 | Pays de la Loire, France | 160 |
| Washington | 4/25/2022 | Pennsylvania, United States of America | 8 |
| Washington | 4/25/2022 | Québec, Canada | 101 |
| Washington | 4/25/2022 | Saskatchewan, Canada | 80 |
| Washington | 4/25/2022 | Scotland, United Kingdom | 37 |
| Washington | 4/25/2022 | South Dakota, United States of America | 58 |
| Washington | 4/25/2022 | Utah, United States of America | 5 |
| Washington | 4/25/2022 | Vermont, United States of America | 3 |
| Washington | 4/25/2022 | Wisconsin, United States of America | 28 |
| Washington | 4/25/2022 | Wyoming, United States of America | 13 |
| Alaska | 4/26/2022 | Akita, Japan | 3 |
| Alaska | 4/26/2022 | Alberta, Canada | 124 |
| Alaska | 4/26/2022 | Aomori, Japan | 2 |
| Alaska | 4/26/2022 | British Columbia, Canada | 14 |
| Alaska | 4/26/2022 | Colorado, United States of America | 6 |
| Alaska | 4/26/2022 | England, United Kingdom | 56 |
| Alaska | 4/26/2022 | Florida, United States of America | 5 |
| Alaska | 4/26/2022 | Greenlandic Exclusive Economic Zone, Greenland | 1 |
| Alaska | 4/26/2022 | Hokkaido, Japan | 38 |
| Alaska | 4/26/2022 | Hovedstaden, Denmark | 1 |
| Alaska | 4/26/2022 | Idaho, United States of America | 6 |
| Alaska | 4/26/2022 | Illinois, United States of America | 4 |
| Alaska | 4/26/2022 | Indiana, United States of America | 7 |
| Alaska | 4/26/2022 | Iowa, United States of America | 23 |
| Alaska | 4/26/2022 | Iwate, Japan | 2 |
| Alaska | 4/26/2022 | Kansas, United States of America | 2 |
| Alaska | 4/26/2022 | Khabarovsk, Russia | 1 |
| Alaska | 4/26/2022 | Maine, United States of America | 4 |
| Alaska | 4/26/2022 | Manitoba, Canada | 50 |
| Alaska | 4/26/2022 | Michigan, United States of America | 13 |
| Alaska | 4/26/2022 | Midtjylland, Denmark | 1 |
| Alaska | 4/26/2022 | Minnesota, United States of America | 145 |
| Alaska | 4/26/2022 | Missouri, United States of America | 7 |
| Alaska | 4/26/2022 | Montana, United States of America | 13 |
| Alaska | 4/26/2022 | Nebraska, United States of America | 9 |
| Alaska | 4/26/2022 | New Brunswick, Canada | 4 |
| Alaska | 4/26/2022 | New York, United States of America | 10 |
| Alaska | 4/26/2022 | Newfoundland and Labrador, Canada | 7 |
| Alaska | 4/26/2022 | North Carolina, United States of America | 18 |
| Alaska | 4/26/2022 | North Dakota, United States of America | 28 |
| Alaska | 4/26/2022 | Ohio, United States of America | 2 |
| Alaska | 4/26/2022 | Ontario, Canada | 67 |
| Alaska | 4/26/2022 | Pennsylvania, United States of America | 8 |
| Alaska | 4/26/2022 | Québec, Canada | 95 |
| Alaska | 4/26/2022 | Saskatchewan, Canada | 80 |
| Alaska | 4/26/2022 | Scotland, United Kingdom | 37 |
| Alaska | 4/26/2022 | Sjælland, Denmark | 3 |
| Alaska | 4/26/2022 | South Dakota, United States of America | 55 |
| Alaska | 4/26/2022 | Syddanmark, Denmark | 3 |
| Alaska | 4/26/2022 | Utah, United States of America | 5 |
| Alaska | 4/26/2022 | Vermont, United States of America | 3 |
| Alaska | 4/26/2022 | Veterinary Inspection Unit North, Denmark | 1 |
| Alaska | 4/26/2022 | Wisconsin, United States of America | 26 |
| Alaska | 4/26/2022 | Wyoming, United States of America | 9 |
| Oklahoma | 4/28/2022 | Alberta, Canada | 137 |
| Oklahoma | 4/28/2022 | British Columbia, Canada | 14 |
| Oklahoma | 4/28/2022 | Colorado, United States of America | 6 |
| Oklahoma | 4/28/2022 | Florida, United States of America | 5 |
| Oklahoma | 4/28/2022 | Idaho, United States of America | 6 |
| Oklahoma | 4/28/2022 | Illinois, United States of America | 2 |
| Oklahoma | 4/28/2022 | Indiana, United States of America | 7 |
| Oklahoma | 4/28/2022 | Iowa, United States of America | 23 |
| Oklahoma | 4/28/2022 | Kansas, United States of America | 2 |
| Oklahoma | 4/28/2022 | Khabarovsk, Russia | 1 |
| Oklahoma | 4/28/2022 | Maine, United States of America | 2 |
| Oklahoma | 4/28/2022 | Manitoba, Canada | 50 |
| Oklahoma | 4/28/2022 | Michigan, United States of America | 15 |
| Oklahoma | 4/28/2022 | Minnesota, United States of America | 141 |
| Oklahoma | 4/28/2022 | Missouri, United States of America | 7 |
| Oklahoma | 4/28/2022 | Montana, United States of America | 13 |
| Oklahoma | 4/28/2022 | Nebraska, United States of America | 9 |
| Oklahoma | 4/28/2022 | New Brunswick, Canada | 4 |
| Oklahoma | 4/28/2022 | New York, United States of America | 10 |
| Oklahoma | 4/28/2022 | Newfoundland and Labrador, Canada | 7 |
| Oklahoma | 4/28/2022 | North Carolina, United States of America | 16 |
| Oklahoma | 4/28/2022 | North Dakota, United States of America | 27 |
| Oklahoma | 4/28/2022 | Ontario, Canada | 71 |
| Oklahoma | 4/28/2022 | Pennsylvania, United States of America | 8 |
| Oklahoma | 4/28/2022 | Québec, Canada | 95 |
| Oklahoma | 4/28/2022 | Saskatchewan, Canada | 86 |
| Oklahoma | 4/28/2022 | South Dakota, United States of America | 43 |
| Oklahoma | 4/28/2022 | Utah, United States of America | 5 |
| Oklahoma | 4/28/2022 | Vermont, United States of America | 3 |
| Oklahoma | 4/28/2022 | Wisconsin, United States of America | 30 |
| Oklahoma | 4/28/2022 | Wyoming, United States of America | 7 |
| Oregon | 4/29/2022 | Akita, Japan | 3 |
| Oregon | 4/29/2022 | Alberta, Canada | 137 |
| Oregon | 4/29/2022 | Aomori, Japan | 2 |
| Oregon | 4/29/2022 | British Columbia, Canada | 14 |
| Oregon | 4/29/2022 | Colorado, United States of America | 6 |
| Oregon | 4/29/2022 | Florida, United States of America | 5 |
| Oregon | 4/29/2022 | Hokkaido, Japan | 41 |
| Oregon | 4/29/2022 | Idaho, United States of America | 6 |
| Oregon | 4/29/2022 | Illinois, United States of America | 2 |
| Oregon | 4/29/2022 | Indiana, United States of America | 7 |
| Oregon | 4/29/2022 | Iowa, United States of America | 18 |
| Oregon | 4/29/2022 | Iwate, Japan | 2 |
| Oregon | 4/29/2022 | Kansas, United States of America | 3 |
| Oregon | 4/29/2022 | Khabarovsk, Russia | 1 |
| Oregon | 4/29/2022 | Maine, United States of America | 2 |
| Oregon | 4/29/2022 | Manitoba, Canada | 50 |
| Oregon | 4/29/2022 | Michigan, United States of America | 15 |
| Oregon | 4/29/2022 | Minnesota, United States of America | 141 |
| Oregon | 4/29/2022 | Missouri, United States of America | 7 |
| Oregon | 4/29/2022 | Montana, United States of America | 17 |
| Oregon | 4/29/2022 | Nebraska, United States of America | 9 |
| Oregon | 4/29/2022 | New Brunswick, Canada | 4 |
| Oregon | 4/29/2022 | New York, United States of America | 10 |
| Oregon | 4/29/2022 | Newfoundland and Labrador, Canada | 7 |
| Oregon | 4/29/2022 | North Carolina, United States of America | 16 |
| Oregon | 4/29/2022 | North Dakota, United States of America | 27 |
| Oregon | 4/29/2022 | Ontario, Canada | 74 |
| Oregon | 4/29/2022 | Pennsylvania, United States of America | 10 |
| Oregon | 4/29/2022 | Québec, Canada | 95 |
| Oregon | 4/29/2022 | Saskatchewan, Canada | 33 |
| Oregon | 4/29/2022 | South Dakota, United States of America | 40 |
| Oregon | 4/29/2022 | Utah, United States of America | 5 |
| Oregon | 4/29/2022 | Vermont, United States of America | 3 |
| Oregon | 4/29/2022 | Washington, United States of America | 5 |
| Oregon | 4/29/2022 | Wisconsin, United States of America | 32 |
| Oregon | 4/29/2022 | Wyoming, United States of America | 5 |
| Georgia | 5/26/2022 | Alaska, United States of America | 5 |
| Georgia | 5/26/2022 | Alberta, Canada | 30 |
| Georgia | 5/26/2022 | British Columbia, Canada | 68 |
| Georgia | 5/26/2022 | Colorado, United States of America | 4 |
| Georgia | 5/26/2022 | Idaho, United States of America | 37 |
| Georgia | 5/26/2022 | Illinois, United States of America | 1 |
| Georgia | 5/26/2022 | Indiana, United States of America | 1 |
| Georgia | 5/26/2022 | Iowa, United States of America | 5 |
| Georgia | 5/26/2022 | Kansas, United States of America | 1 |
| Georgia | 5/26/2022 | Manitoba, Canada | 6 |
| Georgia | 5/26/2022 | Michigan, United States of America | 14 |
| Georgia | 5/26/2022 | Minnesota, United States of America | 33 |
| Georgia | 5/26/2022 | Montana, United States of America | 5 |
| Georgia | 5/26/2022 | Nebraska, United States of America | 3 |
| Georgia | 5/26/2022 | New Brunswick, Canada | 2 |
| Georgia | 5/26/2022 | New Jersey, United States of America | 2 |
| Georgia | 5/26/2022 | New York, United States of America | 3 |
| Georgia | 5/26/2022 | Newfoundland and Labrador, Canada | 27 |
| Georgia | 5/26/2022 | North Dakota, United States of America | 9 |
| Georgia | 5/26/2022 | Nova Scotia, Canada | 2 |
| Georgia | 5/26/2022 | Ohio, United States of America | 1 |
| Georgia | 5/26/2022 | Oklahoma, United States of America | 2 |
| Georgia | 5/26/2022 | Ontario, Canada | 71 |
| Georgia | 5/26/2022 | Oregon, United States of America | 3 |
| Georgia | 5/26/2022 | Pennsylvania, United States of America | 25 |
| Georgia | 5/26/2022 | Prince Edward Island, Canada | 4 |
| Georgia | 5/26/2022 | Québec, Canada | 12 |
| Georgia | 5/26/2022 | Saskatchewan, Canada | 21 |
| Georgia | 5/26/2022 | South Dakota, United States of America | 7 |
| Georgia | 5/26/2022 | Utah, United States of America | 4 |
| Georgia | 5/26/2022 | Washington, United States of America | 18 |
| Georgia | 5/26/2022 | Wisconsin, United States of America | 23 |
| Georgia | 5/26/2022 | Wyoming, United States of America | 6 |
| Georgia | 5/26/2022 | Yukon, Canada | 8 |
| District of Columbia | 6/3/2022 | Alaska, United States of America | 2 |
| District of Columbia | 6/3/2022 | Alberta, Canada | 21 |
| District of Columbia | 6/3/2022 | British Columbia, Canada | 60 |
| District of Columbia | 6/3/2022 | Colorado, United States of America | 2 |
| District of Columbia | 6/3/2022 | Georgia, United States of America | 2 |
| District of Columbia | 6/3/2022 | Idaho, United States of America | 35 |
| District of Columbia | 6/3/2022 | Illinois, United States of America | 1 |
| District of Columbia | 6/3/2022 | Indiana, United States of America | 1 |
| District of Columbia | 6/3/2022 | Iowa, United States of America | 4 |
| District of Columbia | 6/3/2022 | Manitoba, Canada | 7 |
| District of Columbia | 6/3/2022 | Michigan, United States of America | 13 |
| District of Columbia | 6/3/2022 | Minnesota, United States of America | 19 |
| District of Columbia | 6/3/2022 | New Jersey, United States of America | 2 |
| District of Columbia | 6/3/2022 | New York, United States of America | 2 |
| District of Columbia | 6/3/2022 | Newfoundland and Labrador, Canada | 27 |
| District of Columbia | 6/3/2022 | North Dakota, United States of America | 12 |
| District of Columbia | 6/3/2022 | Nova Scotia, Canada | 2 |
| District of Columbia | 6/3/2022 | Ohio, United States of America | 1 |
| District of Columbia | 6/3/2022 | Ontario, Canada | 57 |
| District of Columbia | 6/3/2022 | Oregon, United States of America | 2 |
| District of Columbia | 6/3/2022 | Pennsylvania, United States of America | 15 |
| District of Columbia | 6/3/2022 | Prince Edward Island, Canada | 18 |
| District of Columbia | 6/3/2022 | Québec, Canada | 15 |
| District of Columbia | 6/3/2022 | Saskatchewan, Canada | 13 |
| District of Columbia | 6/3/2022 | South Dakota, United States of America | 3 |
| District of Columbia | 6/3/2022 | Utah, United States of America | 6 |
| District of Columbia | 6/3/2022 | Washington, United States of America | 14 |
| District of Columbia | 6/3/2022 | Wisconsin, United States of America | 15 |
| District of Columbia | 6/3/2022 | Wyoming, United States of America | 5 |
| District of Columbia | 6/3/2022 | Yukon, Canada | 1 |
| Arizona | 6/7/2022 | Alaska, United States of America | 2 |
| Arizona | 6/7/2022 | Alberta, Canada | 18 |
| Arizona | 6/7/2022 | British Columbia, Canada | 60 |
| Arizona | 6/7/2022 | Colorado, United States of America | 7 |
| Arizona | 6/7/2022 | District of Columbia, United States of America | 1 |
| Arizona | 6/7/2022 | Georgia, United States of America | 2 |
| Arizona | 6/7/2022 | Idaho, United States of America | 27 |
| Arizona | 6/7/2022 | Illinois, United States of America | 1 |
| Arizona | 6/7/2022 | Indiana, United States of America | 3 |
| Arizona | 6/7/2022 | Iowa, United States of America | 3 |
| Arizona | 6/7/2022 | Manitoba, Canada | 7 |
| Arizona | 6/7/2022 | Massachusetts, United States of America | 2 |
| Arizona | 6/7/2022 | Michigan, United States of America | 12 |
| Arizona | 6/7/2022 | Minnesota, United States of America | 17 |
| Arizona | 6/7/2022 | New Jersey, United States of America | 2 |
| Arizona | 6/7/2022 | New York, United States of America | 2 |
| Arizona | 6/7/2022 | Newfoundland and Labrador, Canada | 27 |
| Arizona | 6/7/2022 | North Dakota, United States of America | 10 |
| Arizona | 6/7/2022 | Nova Scotia, Canada | 2 |
| Arizona | 6/7/2022 | Ontario, Canada | 7 |
| Arizona | 6/7/2022 | Oregon, United States of America | 2 |
| Arizona | 6/7/2022 | Pennsylvania, United States of America | 17 |
| Arizona | 6/7/2022 | Prince Edward Island, Canada | 18 |
| Arizona | 6/7/2022 | Québec, Canada | 12 |
| Arizona | 6/7/2022 | Russian Exclusive economic Zone, Russia | 7 |
| Arizona | 6/7/2022 | Ryazan', Russia | 2 |
| Arizona | 6/7/2022 | Saskatchewan, Canada | 9 |
| Arizona | 6/7/2022 | South Dakota, United States of America | 3 |
| Arizona | 6/7/2022 | Utah, United States of America | 6 |
| Arizona | 6/7/2022 | Washington, United States of America | 17 |
| Arizona | 6/7/2022 | Wisconsin, United States of America | 7 |
| Arizona | 6/7/2022 | Wyoming, United States of America | 3 |
| Arizona | 6/7/2022 | Yukon, Canada | 1 |
| Nevada | 6/28/2022 | Alaska, United States of America | 7 |
| Nevada | 6/28/2022 | Arizona, United States of America | 1 |
| Nevada | 6/28/2022 | British Columbia, Canada | 13 |
| Nevada | 6/28/2022 | Colorado, United States of America | 5 |
| Nevada | 6/28/2022 | District of Columbia, United States of America | 1 |
| Nevada | 6/28/2022 | Florida, United States of America | 1 |
| Nevada | 6/28/2022 | Idaho, United States of America | 3 |
| Nevada | 6/28/2022 | Indiana, United States of America | 2 |
| Nevada | 6/28/2022 | Kursk, Russia | 2 |
| Nevada | 6/28/2022 | Maine, United States of America | 3 |
| Nevada | 6/28/2022 | Manitoba, Canada | 2 |
| Nevada | 6/28/2022 | Massachusetts, United States of America | 2 |
| Nevada | 6/28/2022 | Michigan, United States of America | 5 |
| Nevada | 6/28/2022 | Minnesota, United States of America | 3 |
| Nevada | 6/28/2022 | North Dakota, United States of America | 2 |
| Nevada | 6/28/2022 | Northwest Territories, Canada | 1 |
| Nevada | 6/28/2022 | Oregon, United States of America | 1 |
| Nevada | 6/28/2022 | Pennsylvania, United States of America | 2 |
| Nevada | 6/28/2022 | Prince Edward Island, Canada | 14 |
| Nevada | 6/28/2022 | Québec, Canada | 9 |
| Nevada | 6/28/2022 | Ryazan', Russia | 9 |
| Nevada | 6/28/2022 | Utah, United States of America | 1 |
| Nevada | 6/28/2022 | Washington, United States of America | 15 |
| Nevada | 6/28/2022 | Wyoming, United States of America | 2 |
| Rhode Island | 7/6/2022 | Alaska, United States of America | 8 |
| Rhode Island | 7/6/2022 | Alberta, Canada | 20 |
| Rhode Island | 7/6/2022 | Arizona, United States of America | 1 |
| Rhode Island | 7/6/2022 | British Columbia, Canada | 37 |
| Rhode Island | 7/6/2022 | Florida, United States of America | 1 |
| Rhode Island | 7/6/2022 | Idaho, United States of America | 3 |
| Rhode Island | 7/6/2022 | Maine, United States of America | 11 |
| Rhode Island | 7/6/2022 | Manitoba, Canada | 21 |
| Rhode Island | 7/6/2022 | Michigan, United States of America | 4 |
| Rhode Island | 7/6/2022 | Minnesota, United States of America | 2 |
| Rhode Island | 7/6/2022 | Nevada, United States of America | 1 |
| Rhode Island | 7/6/2022 | New Brunswick, Canada | 5 |
| Rhode Island | 7/6/2022 | Newfoundland and Labrador, Canada | 6 |
| Rhode Island | 7/6/2022 | Northwest Territories, Canada | 1 |
| Rhode Island | 7/6/2022 | Nova Scotia, Canada | 5 |
| Rhode Island | 7/6/2022 | Ontario, Canada | 21 |
| Rhode Island | 7/6/2022 | Oregon, United States of America | 2 |
| Rhode Island | 7/6/2022 | Prince Edward Island, Canada | 4 |
| Rhode Island | 7/6/2022 | Québec, Canada | 29 |
| Rhode Island | 7/6/2022 | Saskatchewan, Canada | 13 |
| Rhode Island | 7/6/2022 | Utah, United States of America | 1 |
| Rhode Island | 7/6/2022 | Washington, United States of America | 13 |
| Rhode Island | 7/6/2022 | Wyoming, United States of America | 2 |
| California | 7/14/2022 | Alaska, United States of America | 7 |
| California | 7/14/2022 | Alberta, Canada | 20 |
| California | 7/14/2022 | Bretagne, France | 2 |
| California | 7/14/2022 | British Columbia, Canada | 33 |
| California | 7/14/2022 | England, United Kingdom | 24 |
| California | 7/14/2022 | Florida, United States of America | 1 |
| California | 7/14/2022 | Hauts-de-France, France | 13 |
| California | 7/14/2022 | Maine, United States of America | 17 |
| California | 7/14/2022 | Manitoba, Canada | 19 |
| California | 7/14/2022 | Massachusetts, United States of America | 1 |
| California | 7/14/2022 | Michigan, United States of America | 1 |
| California | 7/14/2022 | Nevada, United States of America | 1 |
| California | 7/14/2022 | New Brunswick, Canada | 5 |
| California | 7/14/2022 | Newfoundland and Labrador, Canada | 6 |
| California | 7/14/2022 | Normandie, France | 40 |
| California | 7/14/2022 | Northern Ireland, United Kingdom | 4 |
| California | 7/14/2022 | Northwest Territories, Canada | 1 |
| California | 7/14/2022 | Nova Scotia, Canada | 6 |
| California | 7/14/2022 | Ontario, Canada | 21 |
| California | 7/14/2022 | Oregon, United States of America | 5 |
| California | 7/14/2022 | Oslo, Norway | 1 |
| California | 7/14/2022 | Prince Edward Island, Canada | 4 |
| California | 7/14/2022 | Québec, Canada | 30 |
| California | 7/14/2022 | Rhode Island, United States of America | 1 |
| California | 7/14/2022 | Rogaland, Norway | 3 |
| California | 7/14/2022 | Saskatchewan, Canada | 13 |
| California | 7/14/2022 | Scotland, United Kingdom | 29 |
| California | 7/14/2022 | Svalbard and Jan Mayen, Norway | 1 |
| California | 7/14/2022 | Troms Og Finnmark, Norway | 2 |
| California | 7/14/2022 | Trøndelag, Norway | 2 |
| California | 7/14/2022 | United Kingdom Exclusive Economic Zone, United Kingdom | 6 |
| California | 7/14/2022 | Utah, United States of America | 1 |
| California | 7/14/2022 | Vestland, Norway | 4 |
| California | 7/14/2022 | Viken, Norway | 2 |
| California | 7/14/2022 | Wales, United Kingdom | 1 |
| California | 7/14/2022 | Washington, United States of America | 12 |
| Mississippi | 9/10/2022 | Alberta, Canada | 4 |
| Mississippi | 9/10/2022 | Beja, Portugal | 3 |
| Mississippi | 9/10/2022 | British Columbia, Canada | 4 |
| Mississippi | 9/10/2022 | California, United States of America | 18 |
| Mississippi | 9/10/2022 | Évora, Portugal | 1 |
| Mississippi | 9/10/2022 | Florida, United States of America | 1 |
| Mississippi | 9/10/2022 | Georgia, United States of America | 1 |
| Mississippi | 9/10/2022 | Indiana, United States of America | 1 |
| Mississippi | 9/10/2022 | Manitoba, Canada | 2 |
| Mississippi | 9/10/2022 | Michigan, United States of America | 1 |
| Mississippi | 9/10/2022 | Minnesota, United States of America | 10 |
| Mississippi | 9/10/2022 | North Dakota, United States of America | 1 |
| Mississippi | 9/10/2022 | Ohio, United States of America | 4 |
| Mississippi | 9/10/2022 | Oregon, United States of America | 1 |
| Mississippi | 9/10/2022 | Pennsylvania, United States of America | 2 |
| Mississippi | 9/10/2022 | Québec, Canada | 2 |
| Mississippi | 9/10/2022 | Santarém, Portugal | 1 |
| Mississippi | 9/10/2022 | Utah, United States of America | 2 |
| Mississippi | 9/10/2022 | Virginia, United States of America | 1 |
| Mississippi | 9/10/2022 | Washington, United States of America | 4 |
| Mississippi | 9/10/2022 | Wisconsin, United States of America | 2 |
| New Mexico | 10/1/2022 | Alaska, United States of America | 2 |
| New Mexico | 10/1/2022 | Alberta, Canada | 28 |
| New Mexico | 10/1/2022 | British Columbia, Canada | 6 |
| New Mexico | 10/1/2022 | California, United States of America | 9 |
| New Mexico | 10/1/2022 | Colorado, United States of America | 4 |
| New Mexico | 10/1/2022 | Delaware, United States of America | 2 |
| New Mexico | 10/1/2022 | Idaho, United States of America | 5 |
| New Mexico | 10/1/2022 | Kanagawa, Japan | 1 |
| New Mexico | 10/1/2022 | Kentucky, United States of America | 1 |
| New Mexico | 10/1/2022 | Manitoba, Canada | 12 |
| New Mexico | 10/1/2022 | Maryland, United States of America | 1 |
| New Mexico | 10/1/2022 | Massachusetts, United States of America | 1 |
| New Mexico | 10/1/2022 | Michigan, United States of America | 3 |
| New Mexico | 10/1/2022 | Minnesota, United States of America | 23 |
| New Mexico | 10/1/2022 | Mississippi, United States of America | 1 |
| New Mexico | 10/1/2022 | Nebraska, United States of America | 1 |
| New Mexico | 10/1/2022 | New Hampshire, United States of America | 1 |
| New Mexico | 10/1/2022 | New York, United States of America | 4 |
| New Mexico | 10/1/2022 | North Dakota, United States of America | 3 |
| New Mexico | 10/1/2022 | Ohio, United States of America | 3 |
| New Mexico | 10/1/2022 | Ontario, Canada | 20 |
| New Mexico | 10/1/2022 | Oregon, United States of America | 5 |
| New Mexico | 10/1/2022 | Pennsylvania, United States of America | 6 |
| New Mexico | 10/1/2022 | Saratov, Russia | 1 |
| New Mexico | 10/1/2022 | Saskatchewan, Canada | 10 |
| New Mexico | 10/1/2022 | South Dakota, United States of America | 7 |
| New Mexico | 10/1/2022 | Tennessee, United States of America | 1 |
| New Mexico | 10/1/2022 | Texas, United States of America | 2 |
| New Mexico | 10/1/2022 | Utah, United States of America | 8 |
| New Mexico | 10/1/2022 | Washington, United States of America | 1 |
| New Mexico | 10/1/2022 | Wisconsin, United States of America | 3 |
| Arkansas | 10/6/2022 | Alaska, United States of America | 2 |
| Arkansas | 10/6/2022 | Alberta, Canada | 26 |
| Arkansas | 10/6/2022 | British Columbia, Canada | 5 |
| Arkansas | 10/6/2022 | California, United States of America | 12 |
| Arkansas | 10/6/2022 | Colorado, United States of America | 5 |
| Arkansas | 10/6/2022 | Connecticut, United States of America | 3 |
| Arkansas | 10/6/2022 | Delaware, United States of America | 2 |
| Arkansas | 10/6/2022 | Florida, United States of America | 1 |
| Arkansas | 10/6/2022 | Idaho, United States of America | 5 |
| Arkansas | 10/6/2022 | Kansas, United States of America | 3 |
| Arkansas | 10/6/2022 | Kentucky, United States of America | 1 |
| Arkansas | 10/6/2022 | Manitoba, Canada | 16 |
| Arkansas | 10/6/2022 | Maryland, United States of America | 1 |
| Arkansas | 10/6/2022 | Massachusetts, United States of America | 1 |
| Arkansas | 10/6/2022 | Michigan, United States of America | 4 |
| Arkansas | 10/6/2022 | Minnesota, United States of America | 23 |
| Arkansas | 10/6/2022 | Mississippi, United States of America | 1 |
| Arkansas | 10/6/2022 | Montana, United States of America | 1 |
| Arkansas | 10/6/2022 | Nebraska, United States of America | 4 |
| Arkansas | 10/6/2022 | New Hampshire, United States of America | 1 |
| Arkansas | 10/6/2022 | New Mexico, United States of America | 1 |
| Arkansas | 10/6/2022 | New York, United States of America | 4 |
| Arkansas | 10/6/2022 | North Dakota, United States of America | 3 |
| Arkansas | 10/6/2022 | Ohio, United States of America | 3 |
| Arkansas | 10/6/2022 | Ontario, Canada | 22 |
| Arkansas | 10/6/2022 | Oregon, United States of America | 5 |
| Arkansas | 10/6/2022 | Pennsylvania, United States of America | 8 |
| Arkansas | 10/6/2022 | Québec, Canada | 1 |
| Arkansas | 10/6/2022 | Saratov, Russia | 1 |
| Arkansas | 10/6/2022 | Saskatchewan, Canada | 12 |
| Arkansas | 10/6/2022 | South Dakota, United States of America | 7 |
| Arkansas | 10/6/2022 | Tennessee, United States of America | 1 |
| Arkansas | 10/6/2022 | Texas, United States of America | 2 |
| Arkansas | 10/6/2022 | Utah, United States of America | 12 |
| Arkansas | 10/6/2022 | Virginia, United States of America | 2 |
| Arkansas | 10/6/2022 | Washington, United States of America | 1 |
| Arkansas | 10/6/2022 | Wisconsin, United States of America | 3 |
| Louisiana | 10/13/2022 | Alaska, United States of America | 3 |
| Louisiana | 10/13/2022 | Alberta, Canada | 25 |
| Louisiana | 10/13/2022 | Arkansas, United States of America | 2 |
| Louisiana | 10/13/2022 | British Columbia, Canada | 6 |
| Louisiana | 10/13/2022 | California, United States of America | 8 |
| Louisiana | 10/13/2022 | Colorado, United States of America | 8 |
| Louisiana | 10/13/2022 | Connecticut, United States of America | 3 |
| Louisiana | 10/13/2022 | Delaware, United States of America | 2 |
| Louisiana | 10/13/2022 | Florida, United States of America | 6 |
| Louisiana | 10/13/2022 | Idaho, United States of America | 3 |
| Louisiana | 10/13/2022 | Illinois, United States of America | 1 |
| Louisiana | 10/13/2022 | Kansas, United States of America | 3 |
| Louisiana | 10/13/2022 | Kentucky, United States of America | 2 |
| Louisiana | 10/13/2022 | Manitoba, Canada | 22 |
| Louisiana | 10/13/2022 | Maryland, United States of America | 1 |
| Louisiana | 10/13/2022 | México, Mexico | 1 |
| Louisiana | 10/13/2022 | Michigan, United States of America | 4 |
| Louisiana | 10/13/2022 | Minnesota, United States of America | 12 |
| Louisiana | 10/13/2022 | Missouri, United States of America | 2 |
| Louisiana | 10/13/2022 | Montana, United States of America | 1 |
| Louisiana | 10/13/2022 | Nebraska, United States of America | 4 |
| Louisiana | 10/13/2022 | Nevada, United States of America | 2 |
| Louisiana | 10/13/2022 | New Hampshire, United States of America | 1 |
| Louisiana | 10/13/2022 | New Jersey, United States of America | 1 |
| Louisiana | 10/13/2022 | New Mexico, United States of America | 1 |
| Louisiana | 10/13/2022 | New York, United States of America | 4 |
| Louisiana | 10/13/2022 | North Dakota, United States of America | 3 |
| Louisiana | 10/13/2022 | Ohio, United States of America | 1 |
| Louisiana | 10/13/2022 | Ontario, Canada | 25 |
| Louisiana | 10/13/2022 | Oregon, United States of America | 6 |
| Louisiana | 10/13/2022 | Pennsylvania, United States of America | 10 |
| Louisiana | 10/13/2022 | Québec, Canada | 1 |
| Louisiana | 10/13/2022 | Saskatchewan, Canada | 14 |
| Louisiana | 10/13/2022 | South Dakota, United States of America | 13 |
| Louisiana | 10/13/2022 | Texas, United States of America | 4 |
| Louisiana | 10/13/2022 | Utah, United States of America | 11 |
| Louisiana | 10/13/2022 | Virginia, United States of America | 2 |
| Louisiana | 10/13/2022 | Wisconsin, United States of America | 3 |
| Louisiana | 10/13/2022 | Wyoming, United States of America | 1 |
| West Virginia | 12/16/2022 | Alabama, United States of America | 3 |
| West Virginia | 12/16/2022 | Alaska, United States of America | 4 |
| West Virginia | 12/16/2022 | Alberta, Canada | 1 |
| West Virginia | 12/16/2022 | Arkansas, United States of America | 2 |
| West Virginia | 12/16/2022 | California, United States of America | 4 |
| West Virginia | 12/16/2022 | Colorado, United States of America | 3 |
| West Virginia | 12/16/2022 | Florida, United States of America | 4 |
| West Virginia | 12/16/2022 | Idaho, United States of America | 1 |
| West Virginia | 12/16/2022 | Illinois, United States of America | 1 |
| West Virginia | 12/16/2022 | Indiana, United States of America | 1 |
| West Virginia | 12/16/2022 | Iowa, United States of America | 9 |
| West Virginia | 12/16/2022 | Jalisco, Mexico | 13 |
| West Virginia | 12/16/2022 | Maryland, United States of America | 1 |
| West Virginia | 12/16/2022 | Michigan, United States of America | 1 |
| West Virginia | 12/16/2022 | Michoacán, Mexico | 1 |
| West Virginia | 12/16/2022 | Minnesota, United States of America | 4 |
| West Virginia | 12/16/2022 | Missouri, United States of America | 7 |
| West Virginia | 12/16/2022 | Montana, United States of America | 4 |
| West Virginia | 12/16/2022 | Nebraska, United States of America | 2 |
| West Virginia | 12/16/2022 | Nevada, United States of America | 1 |
| West Virginia | 12/16/2022 | North Carolina, United States of America | 5 |
| West Virginia | 12/16/2022 | Oaxaca, Mexico | 2 |
| West Virginia | 12/16/2022 | Oklahoma, United States of America | 1 |
| West Virginia | 12/16/2022 | Ontario, Canada | 5 |
| West Virginia | 12/16/2022 | Oregon, United States of America | 8 |
| West Virginia | 12/16/2022 | Prince Edward Island, Canada | 2 |
| West Virginia | 12/16/2022 | Puebla, Mexico | 2 |
| West Virginia | 12/16/2022 | Québec, Canada | 1 |
| West Virginia | 12/16/2022 | Sonora, Mexico | 1 |
| West Virginia | 12/16/2022 | South Dakota, United States of America | 43 |
| West Virginia | 12/16/2022 | Tamaulipas, Mexico | 3 |
| West Virginia | 12/16/2022 | Tennessee, United States of America | 3 |
| West Virginia | 12/16/2022 | Texas, United States of America | 1 |
| West Virginia | 12/16/2022 | Utah, United States of America | 1 |
| West Virginia | 12/16/2022 | Vermont, United States of America | 3 |
| West Virginia | 12/16/2022 | Washington, United States of America | 5 |
| West Virginia | 12/16/2022 | Wisconsin, United States of America | 1 |
| West Virginia | 12/16/2022 | Yucatán, Mexico | 21 |

Table 2. Proposed monitoring locations for US

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| --- | --- | --- |
| Monitoring Location | Centroid Latitude and Longitude | Average Time-to-Infection (in days) |
| Kuji, Iwate, Japan | 41.22, 140.14 | 20.74 |
| Maine-et-Loire, Pays de la Loire, France | 47.13, -1.32 | 23.35 |
| Division No. 2, Manitoba, Canada | 50.11, -97.48 | 11.64 |
| York, Ontario, Canada | 44.66, -76.92 | 16.06 |
| Division No. 11, Alberta, Canada | 51.66, -114.12 | 15.72 |
| Izobil'nenskiy rayon, Stavropol', Russia | 52.43, 40.17 | 16.33 |
| Umán, Yucatán, Mexico | 20.76, -96.06 | 22.22 |
| Almere, Flevoland, Netherlands | 53.64, 4.25 | 20.86 |
| Halifax, Nova Scotia, Canada | 46.45, -61.67 | 16.00 |