

UPDATE ON DELAWARE HEALTH

DECEMBER 13, 2021

Karyl T. Rattay, MD, MS, FAAP

Director

Division of Public Health

Delaware Department of Health and Social Services



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health



DELAWARE
ACADEMY of
MEDICINE



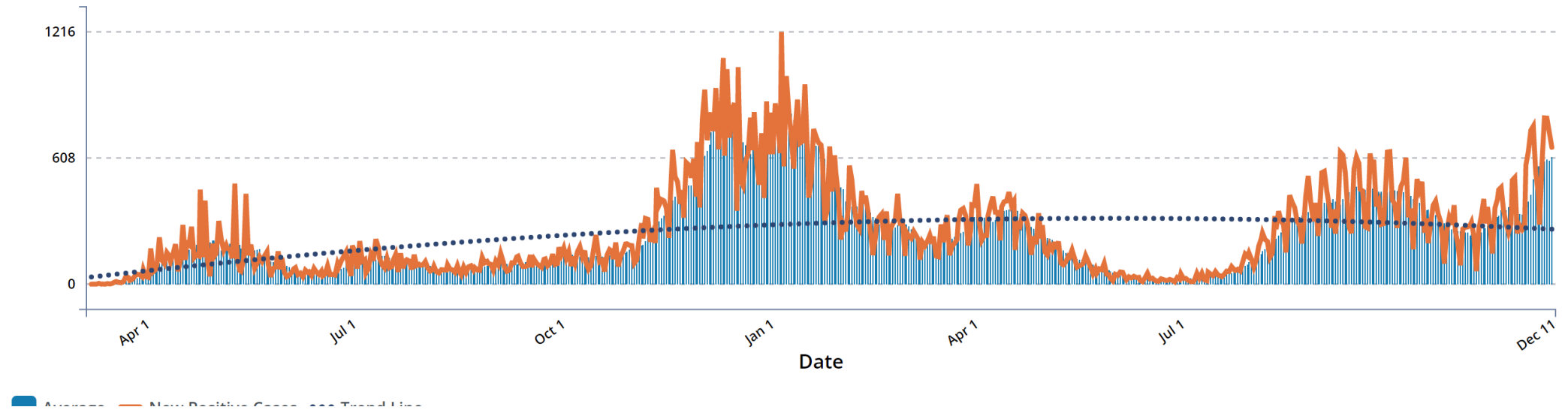
DELTA RESURGE

Delaware COVID-19 Case Rate per 100,000 by Week

STATE OF DELAWARE

New Positive Cases

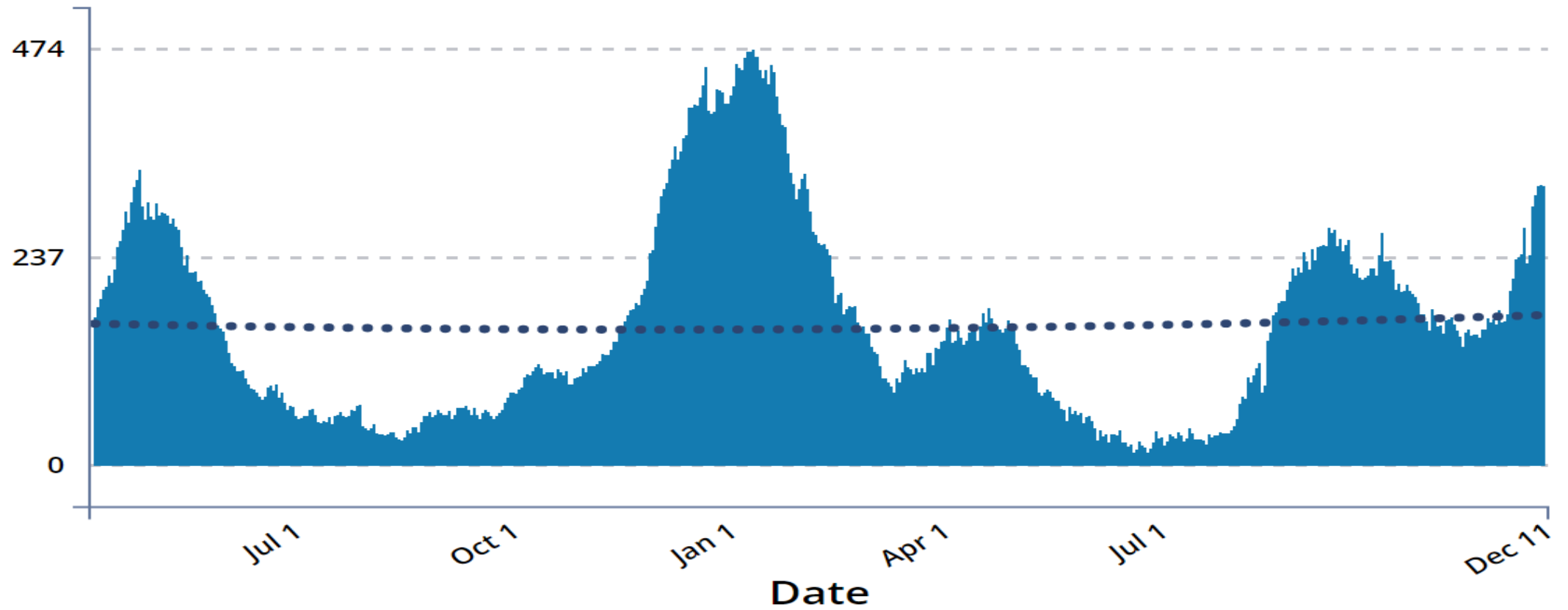
Last Updated: 12/12/2021



Source: Delaware Department of Health and Social Services, Division of Public Health, 2021

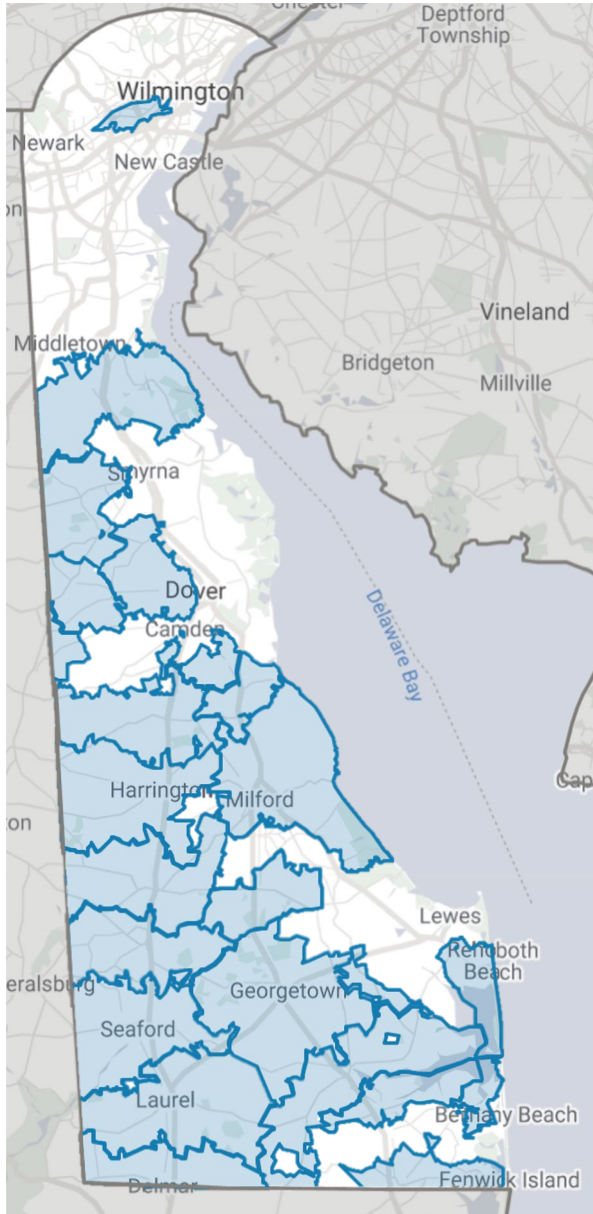
Current Hospitalizations

Last Updated: 12/12/2021



■ Current Hospitalizations (Statewide) ●●● Trend Line

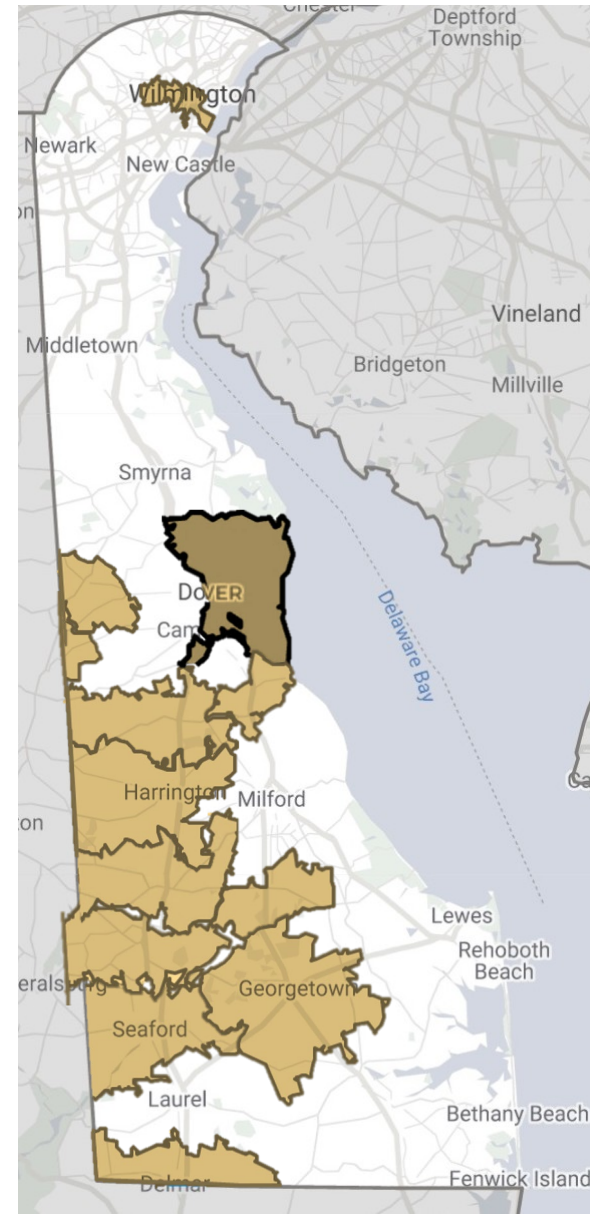
AREAS WITH HIGHEST TEST POSITIVITY



- Newport/Stanton**
- Townsend**
- Clayton**
- Dover**
- Magnolia**
- Hartly**
- Marydel**
- Felton**
- Harrington**
- Greenwood**
- Bridgeville**
- Georgetown**
- Seaford**
- Laurel**
- Delmar**
- Frederica**
- Milford**
- Ellendale**
- Millsboro**
- Rehoboth Beach**
- Harbeson**
- Dagsboro**
- Ocean View**
- Selbyville**

Data as of December 5, 2021

Low Vaccination Rate Areas



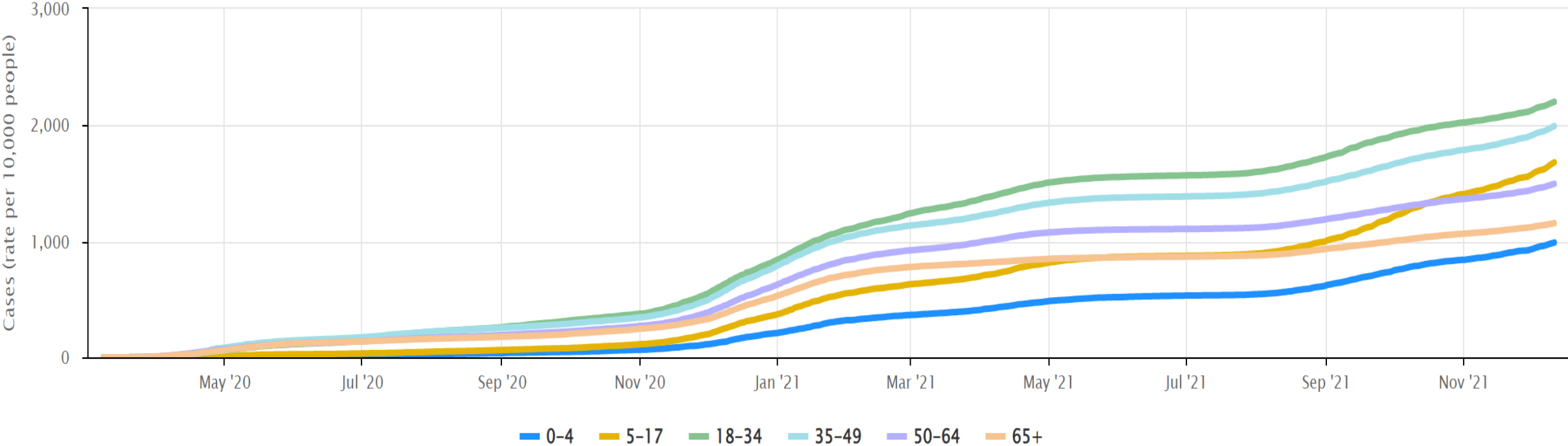
- Wilmington**
- Dover**
- Hartly**
- Marydel**
- Frederica**
- Felton**
- Harrington**
- Greenwood**
- Ellendale**
- Georgetown**
- Bridgeville**
- Seaford**
- Laurel**
- Delmar**

Data as of December 5, 2021

Positive Cases by Age Group

Last Updated: 12/12/2021 3:10 PM

Rate (per 10,000 people) Count (total)



CASES BY VACCINATION STATUS

Week of 11/22/2021– 11/28/2021

Percent of Unvaccinated / Partially Vaccinated

Cases	Hospitalizations	Deaths
72%	80%	80%

VACCINATED PERSONS BY AGE

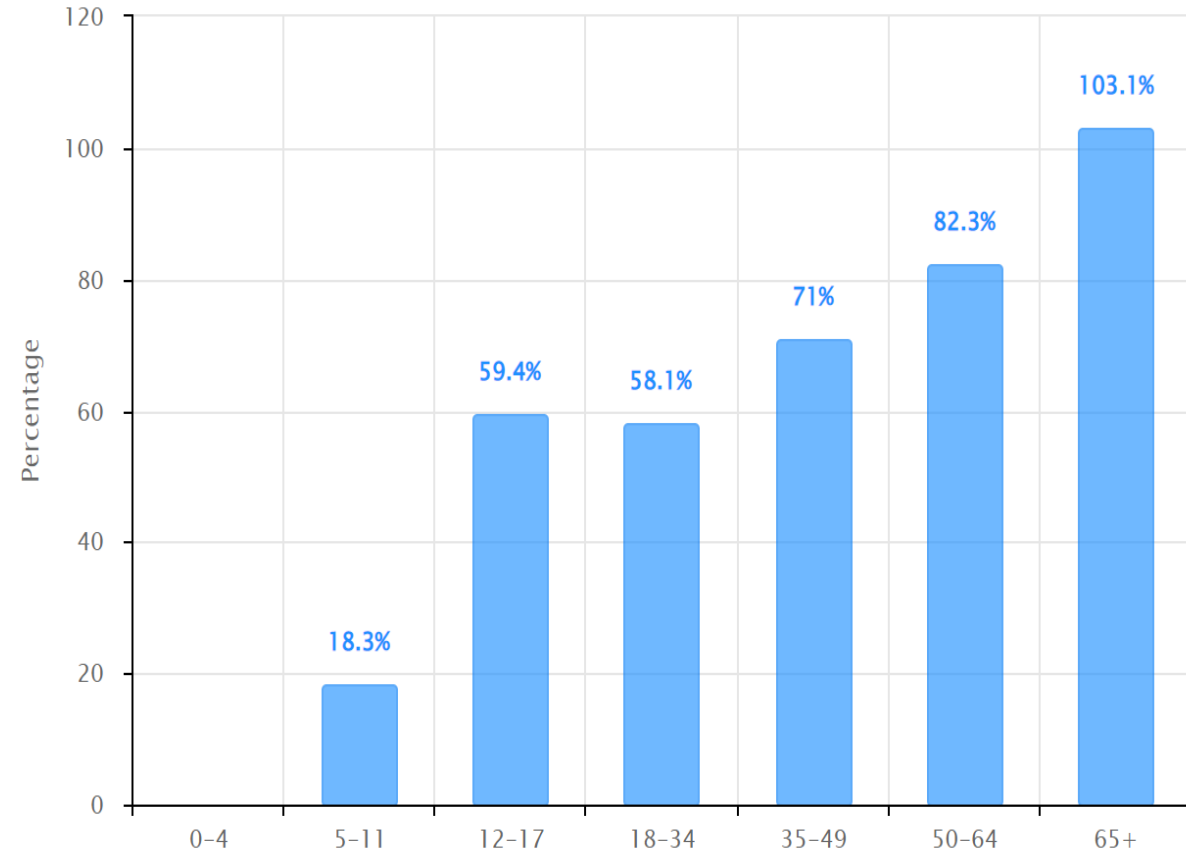
Have received at least one dose

Are fully vaccinated

Have received booster or additional doses

Age	Count	% of demographic group vaccinated	% of all persons vaccinated
0-4	0	0.0%	0.0%
5-11	14,235	18.3%	2.2%
12-17	42,147	59.4%	6.6%
18-34	123,164	58.1%	19.2%
35-49	120,460	71.0%	18.7%
50-64	162,871	82.3%	25.3%
65+	179,618	103.1%	28.0%
Unknown	69	N/A	0.0%

% OF DELAWAREANS BY AGE WHO HAVE RECEIVED AT LEAST ONE DOSE

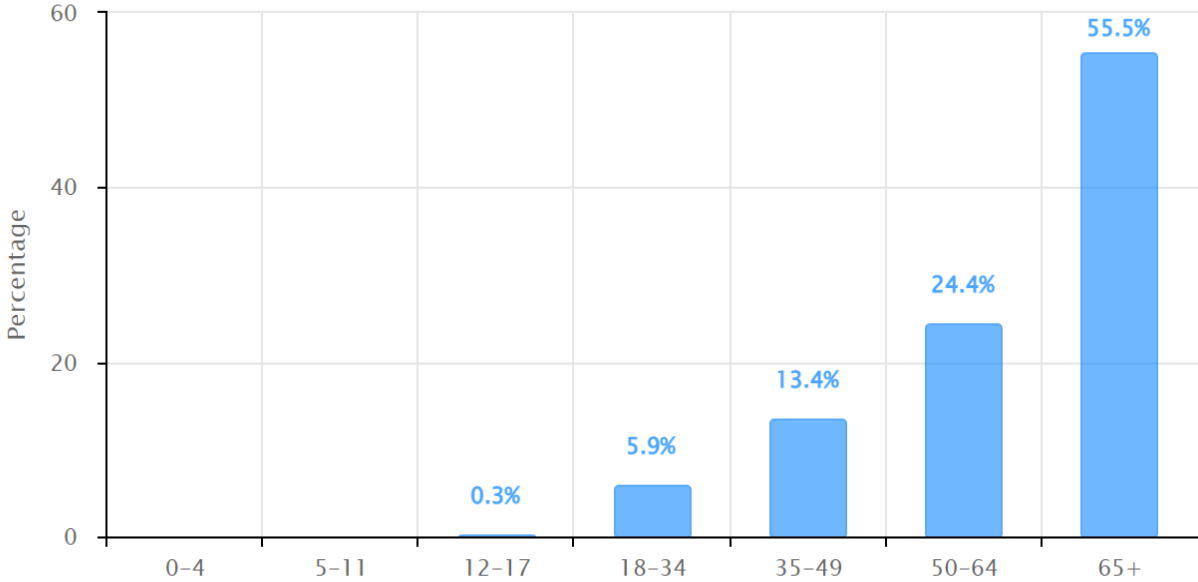


VACCINATED PERSONS BY AGE

Have received at least one dose
Are fully vaccinated
Have received booster or additional doses

Age	Count	% of demographic group vaccinated	% of all persons vaccinated
0-4	0	0.0%	0.0%
5-11	0	0.0%	0.0%
12-17	200	0.3%	0.0%
18-34	12,497	5.9%	1.9%
35-49	22,761	13.4%	3.5%
50-64	48,243	24.4%	7.5%
65+	96,669	55.5%	15.0%
Unknown	0	N/A	0.0%

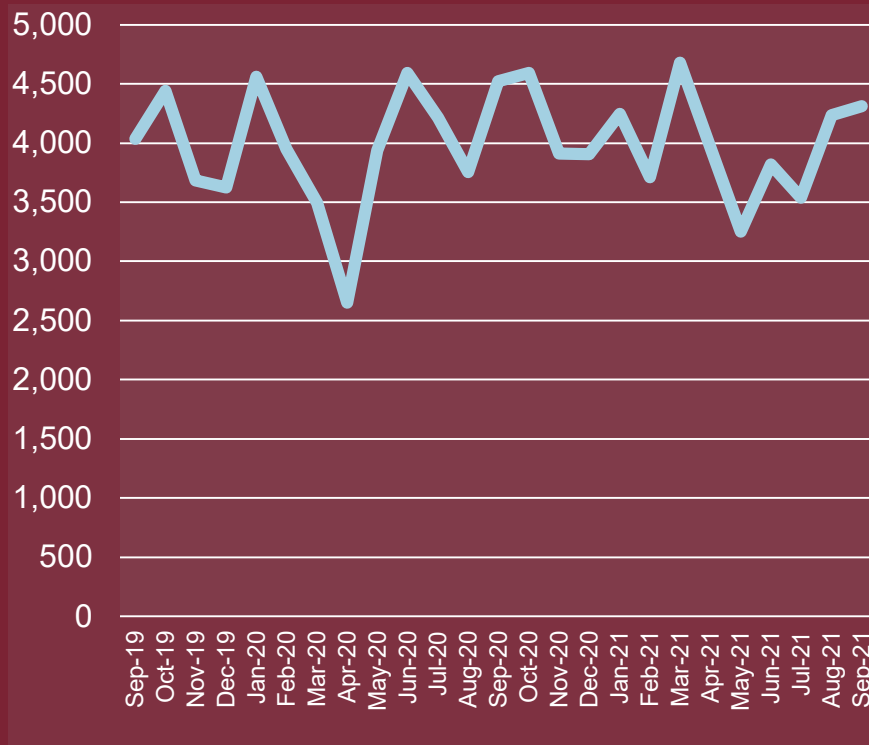
% OF DELAWAREANS BY AGE WHO HAVE RECEIVED BOOSTER OR ADDITIONAL DOSES



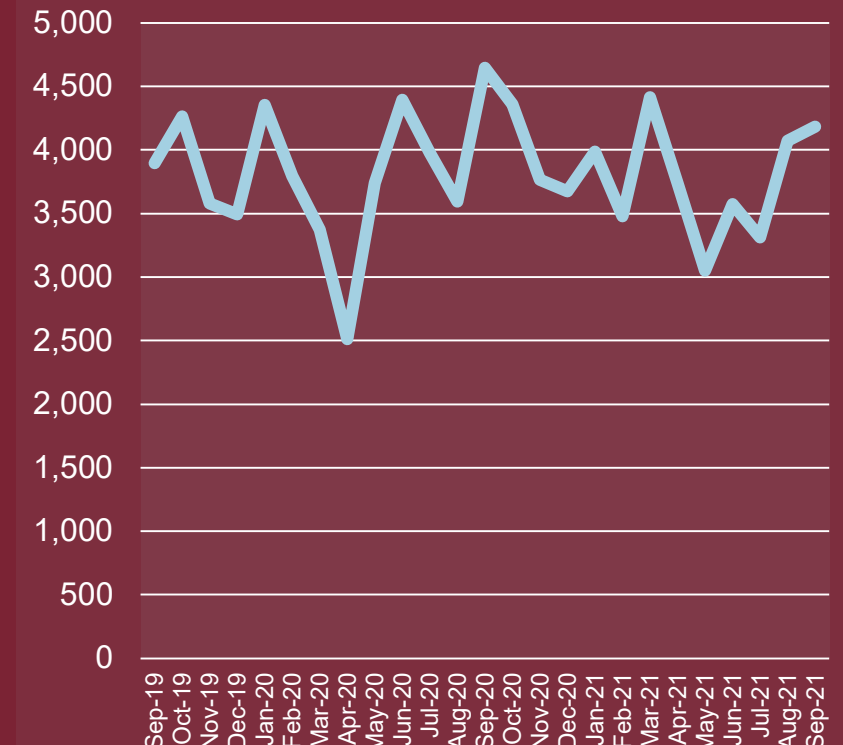
PEDIATRIC IMMUNIZATION TRENDS

Delaware, September 2019-September 2021

DtaP Vaccine Administered



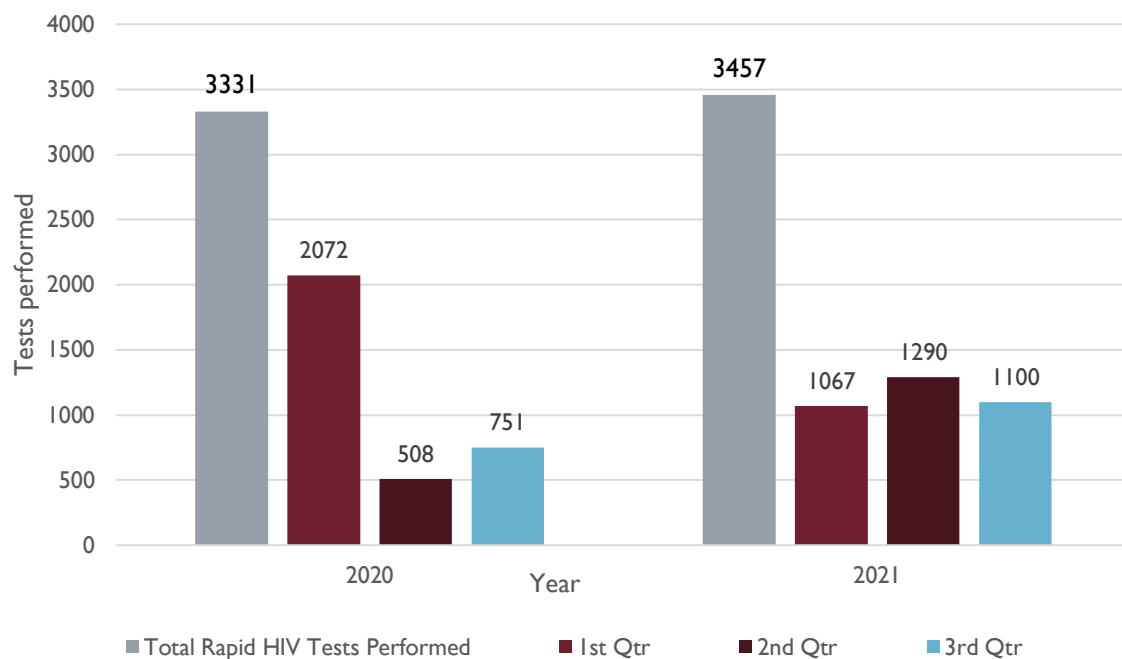
Polio Vaccine Administered



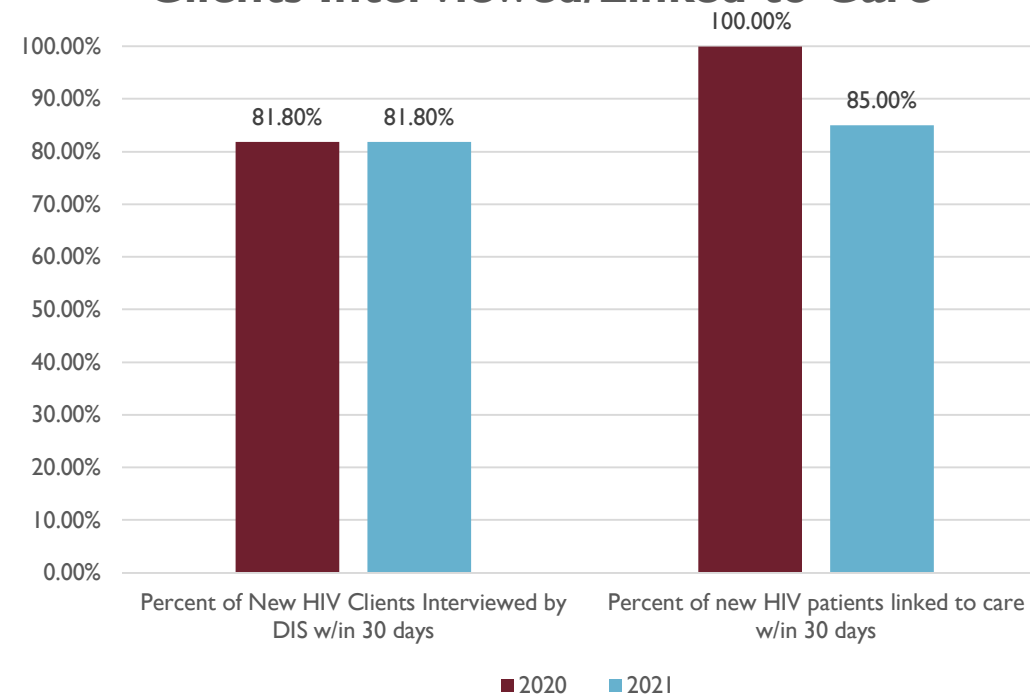
Source: Delaware Immunization System, 2021

HIV HARM REDUCTION SERVICES

Rapid HIV Testing

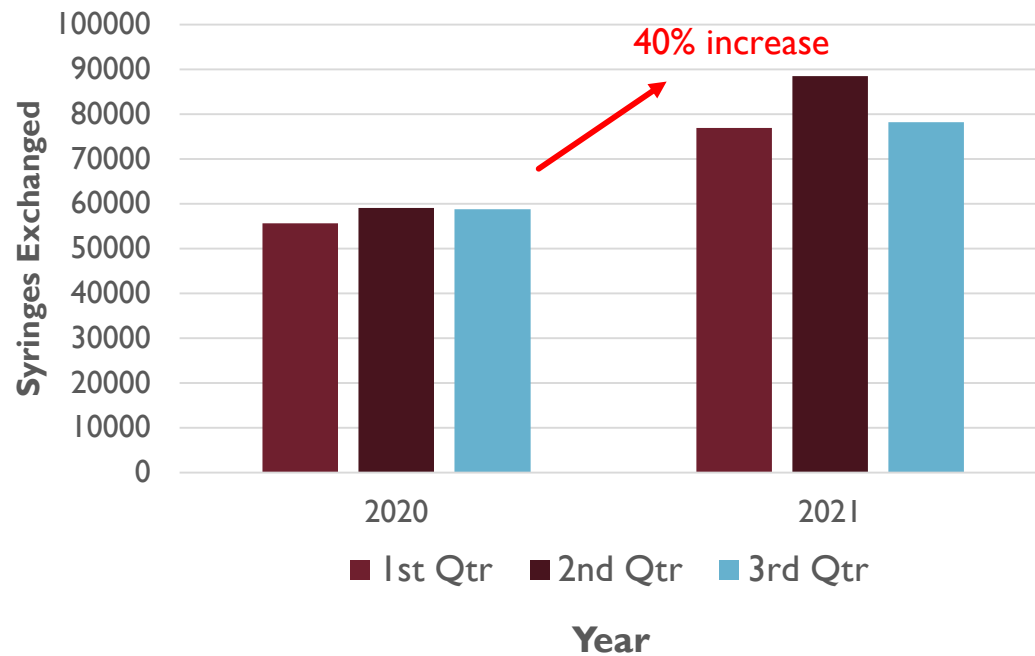


Clients Interviewed/Linked to Care

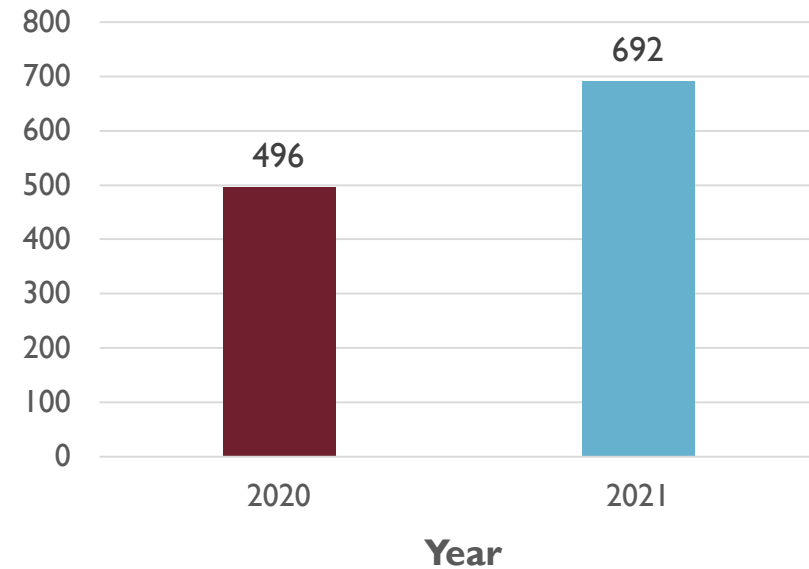


HIV HARM REDUCTION SERVICES (CONT.)

Number of Syringes Exchanged in First Three Quarters, Delaware, 2020 and 2021

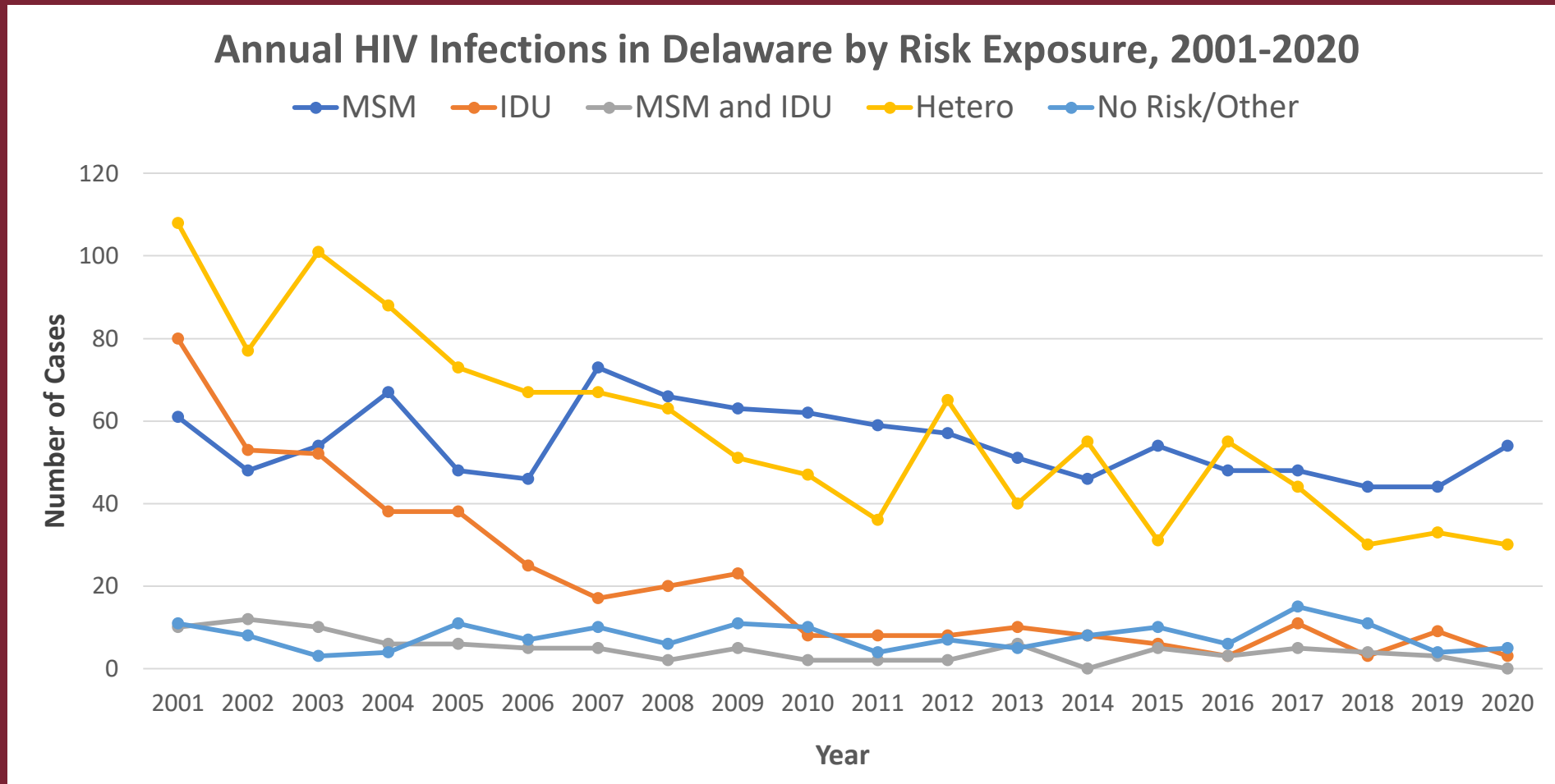


Number of Clients Referred to a PrEP Provider, Delaware, 2020 and 2021



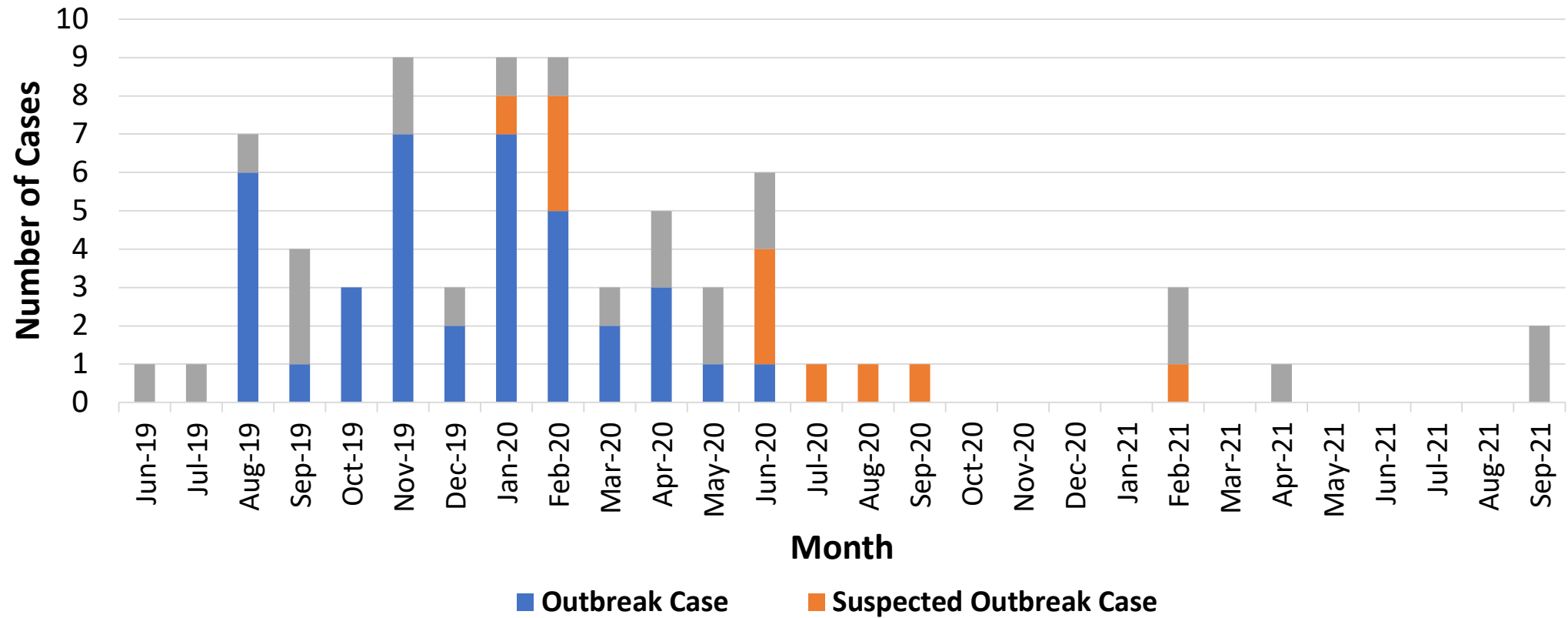
Source: Delaware Department of Health and Social Services, Division of Public Health, HIV Evaluation Web and Delaware SSP data, 2021

HIV SURVEILLANCE



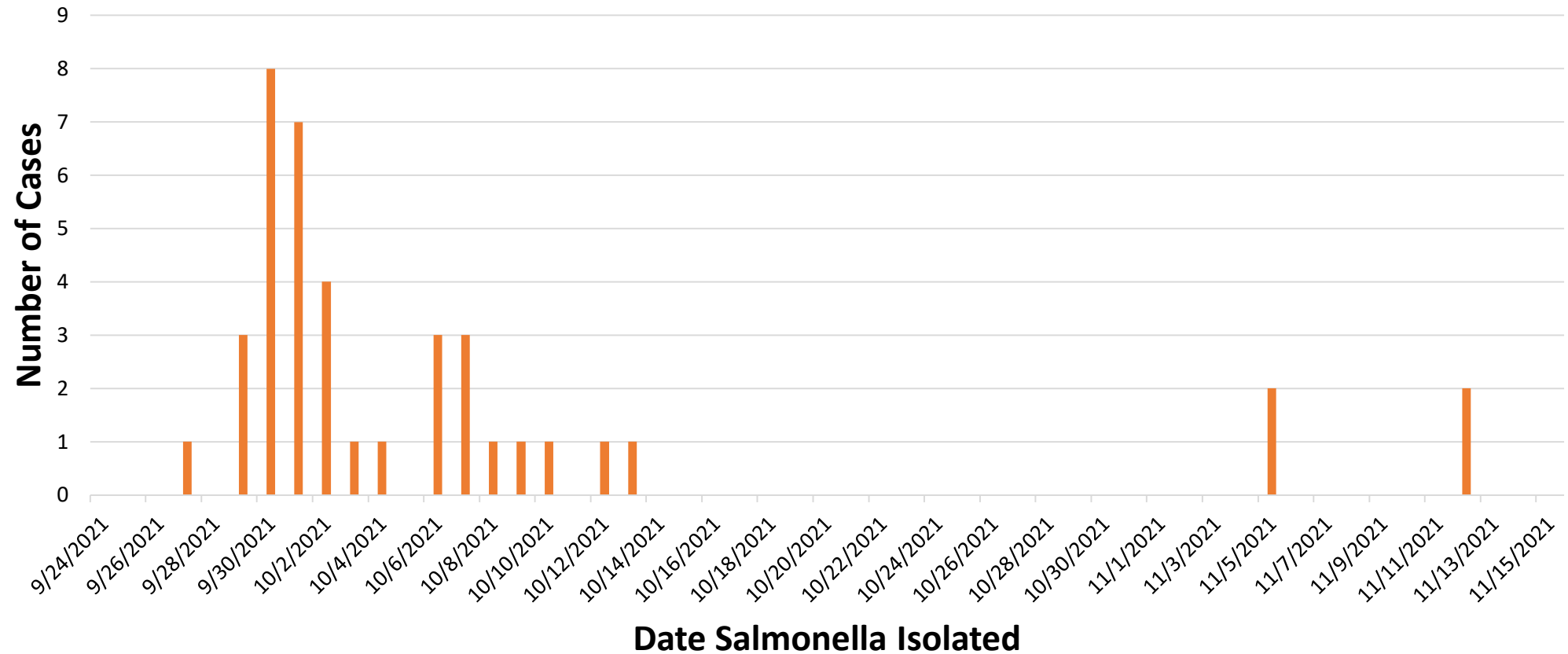
Source: Enhanced HIV/AIDS Reporting System (eHARS), 2021

Hepatitis A Cases, Delaware, June 2019 through September 2021, including IVDU/ Homelessness Outbreak Cases



Source: Delaware Electronic Reporting Surveillance System (DERSS)

Salmonella enteritidis Epi-Curve, Delaware, Fall 2021



Source: CDC SEDRIC Database

TINY PET TURTLES CAUSE MULTI-STATE SALMONELLA OUTBREAK

- Between December 2020 and September 2021, the CDC investigated multi-state outbreaks of *Salmonella* Typhimurium and *Salmonella* Poona linked to small turtles with shell lengths under 4".
- Illness occurred among 87 people from 20 states (no cases from Delaware) and the District of Columbia.
 - 8 hospitalizations
 - 1 death reported from Pennsylvania.
- Most ill individuals reported contact with a small turtle from pet stores, online pet stores, roadside vendors, and flea markets. **Federal law prohibits the sale and distribution of turtles with shell lengths less than 4".**
- Officials were concerned about the sale and distribution of Red-eared slider turtles in Delaware. It is a non-native invasive species and illegal to possess without an exotic animal permit. In Delaware, it is also illegal for Red-eared slider turtles to be released into the wild.



Red-eared slider turtle

Credit: AnimalSpot

UNCOMMON HEALTHCARE ACQUIRED INFECTIONS DELAWARE, 2021



Candida auris was detected in individuals transferred to Delaware Long Term Care (LTC) facilities, highlighting the importance of communication between healthcare entities.

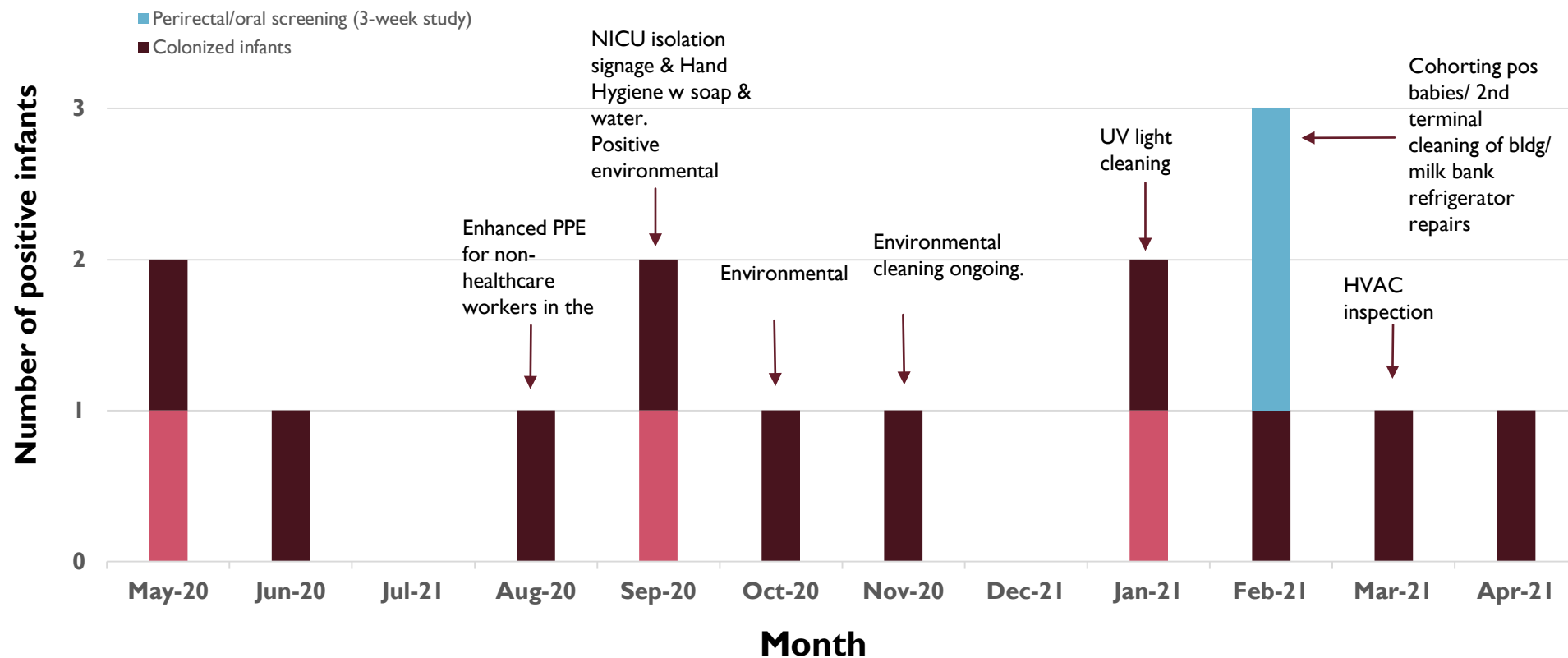


Multi-state cluster of *Listeria monocytogenes* linked to pre-cooked Tyson chicken distributed to health care facilities. One case from Delaware and two from Texas were identified via genomic sequencing. Health care facilities in Delaware were notified. *Listeria* surveillance was prioritized during the duration of the outbreak.



E. coli with the rare New-Delhi Metallo-beta-lactamase (NDM-1) resistance was detected in a neonate, due to vertical transmission. This led to colonization testing of an entire NICU. Good infection control practices prevented the spread of the organism, as no other neonates were colonized.

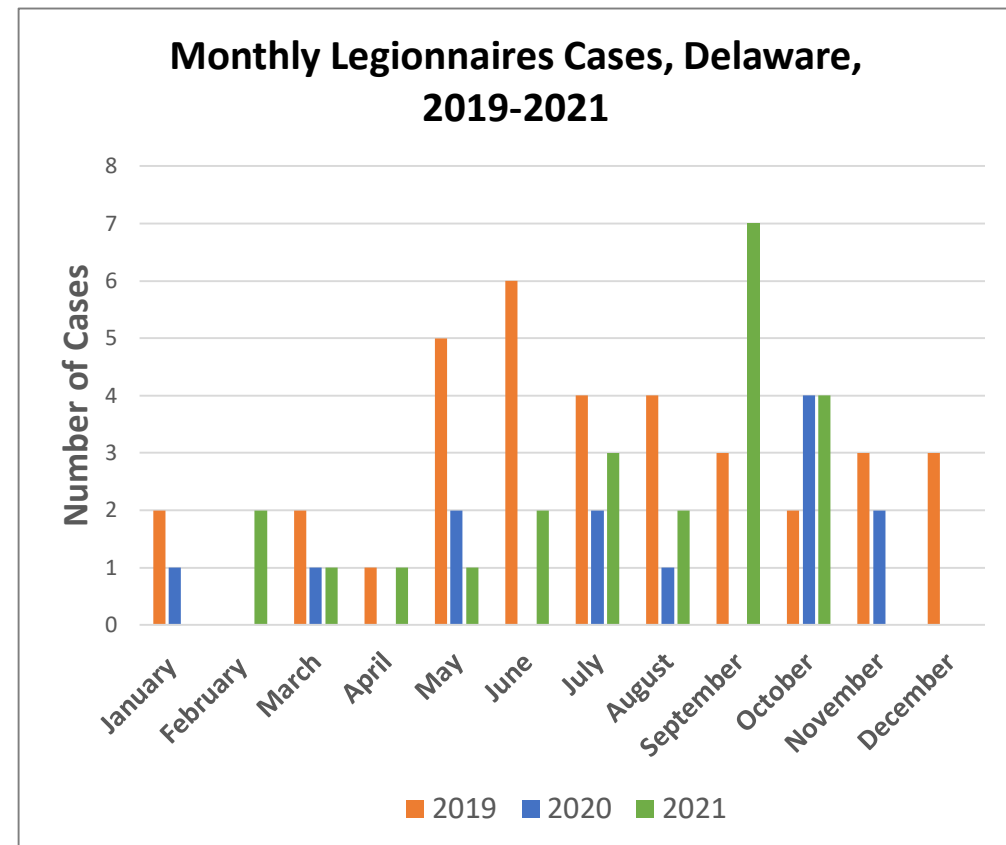
***Bacillus cereus* infections among infants in a Neonatal Intensive Care Unit, Delaware, May 2020-April 2021**



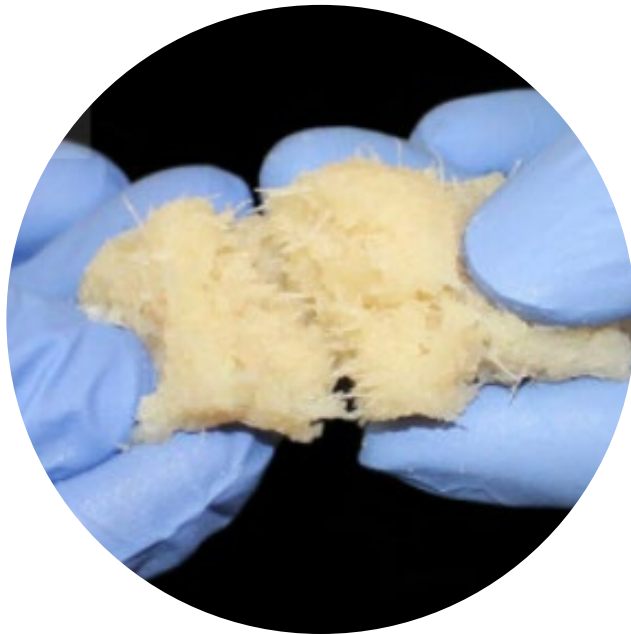
Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Infectious Disease Epidemiology, 2021

LEGIONNAIRES' DISEASE (LD) CLUSTER IN HOSPICE FACILITY, DELAWARE, 2021

- Two confirmed Legionnaires cases and one epi-linked case
- Both confirmed cases were not residents/patients.
- Water samples and environmental swabs were collected.
 - High growth rates of *Legionella pneumophila* in potable and non-potable water
- Remediation and control measures initiated quickly.
- No additional cases were identified. A Water Management Plan was developed for the facility.



TUBERCULOSIS IN BONE ALLOGRAFT PRODUCT - 2021



FiberCel Fiber Viable Bone Matrix
Photo courtesy of Aziyo Biologics

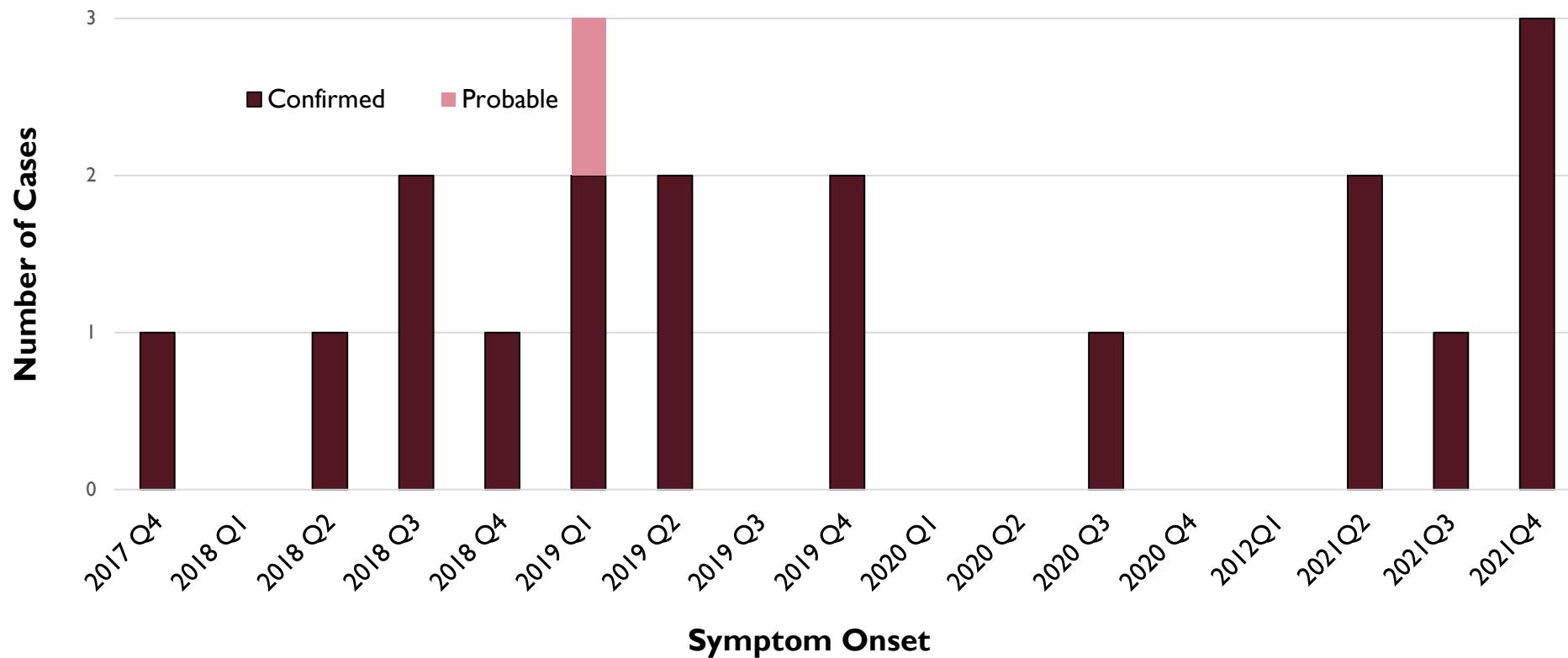
May 2021: An area hospital reported to DPH that 7 patients had TB after spinal surgeries. DPH notified CDC.

Bone allograft material was confirmed as the common source of exposure used in 23 Delaware patients. Nearly all patients experienced complications related to the TB, including abscesses, osteomyelitis, discitis, and/or pulmonary TB.

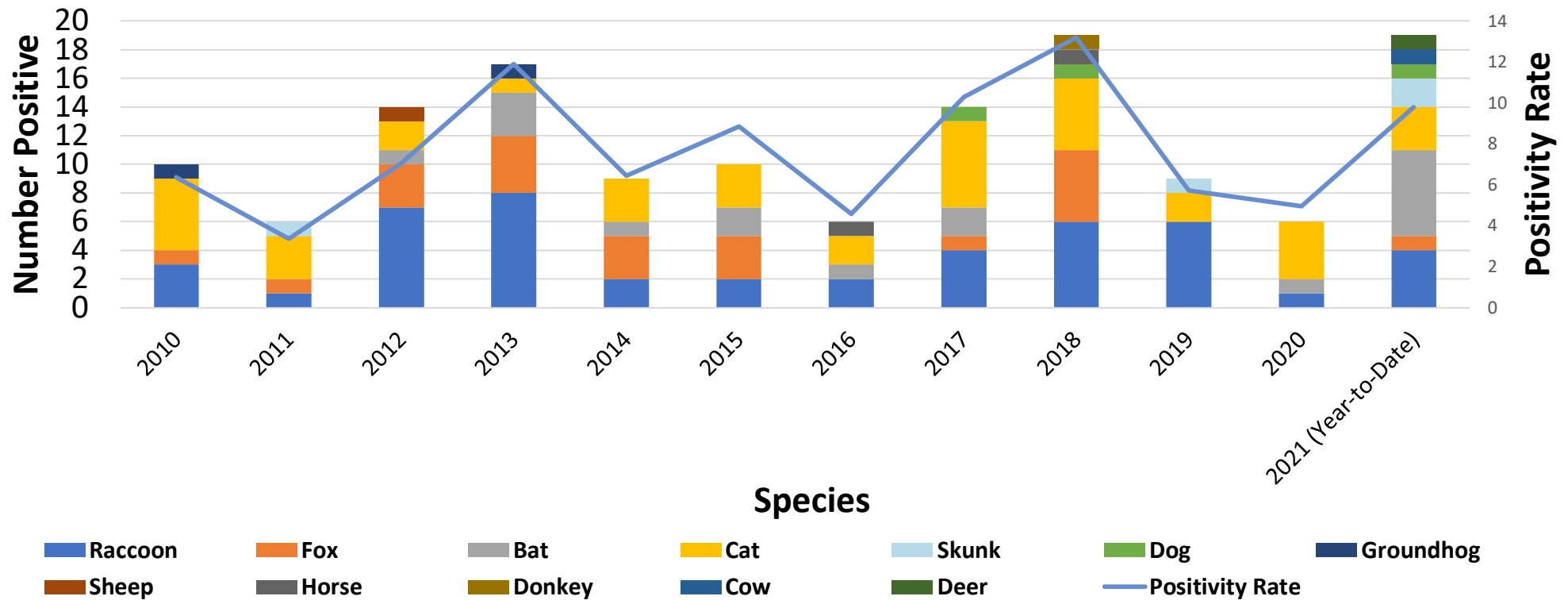
22 living patients were placed on four-drug treatment regimen. (1 patient passed away without an autopsy prior to detection.) Product was recalled. Unused units pulled from shelves proved TB contamination within product.

TUBERCULOSIS IN DELAWARE – BEYOND THE BONE

GI0727 Cluster in Delaware, 2021

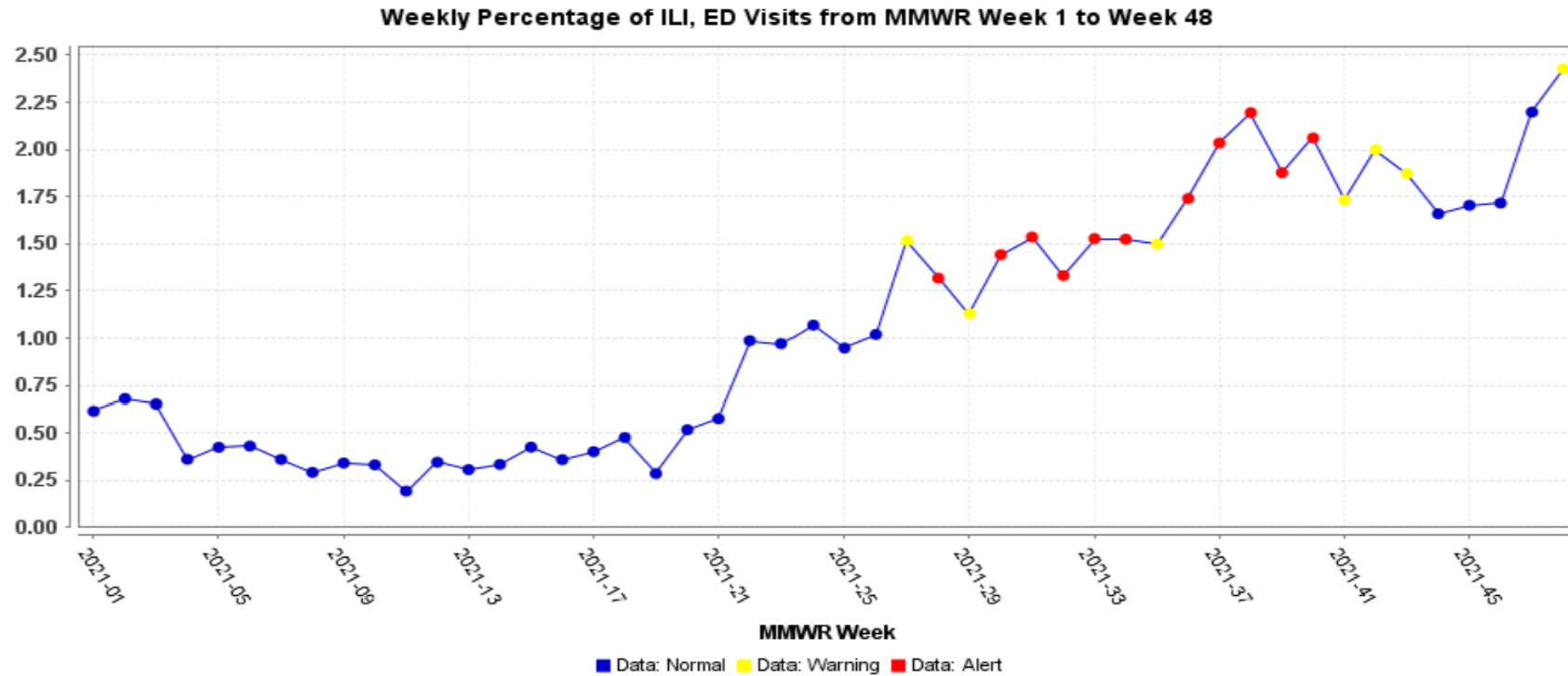


Confirmed Rabies Cases by Year and Species with Positivity Rate, Delaware, 2010-2021



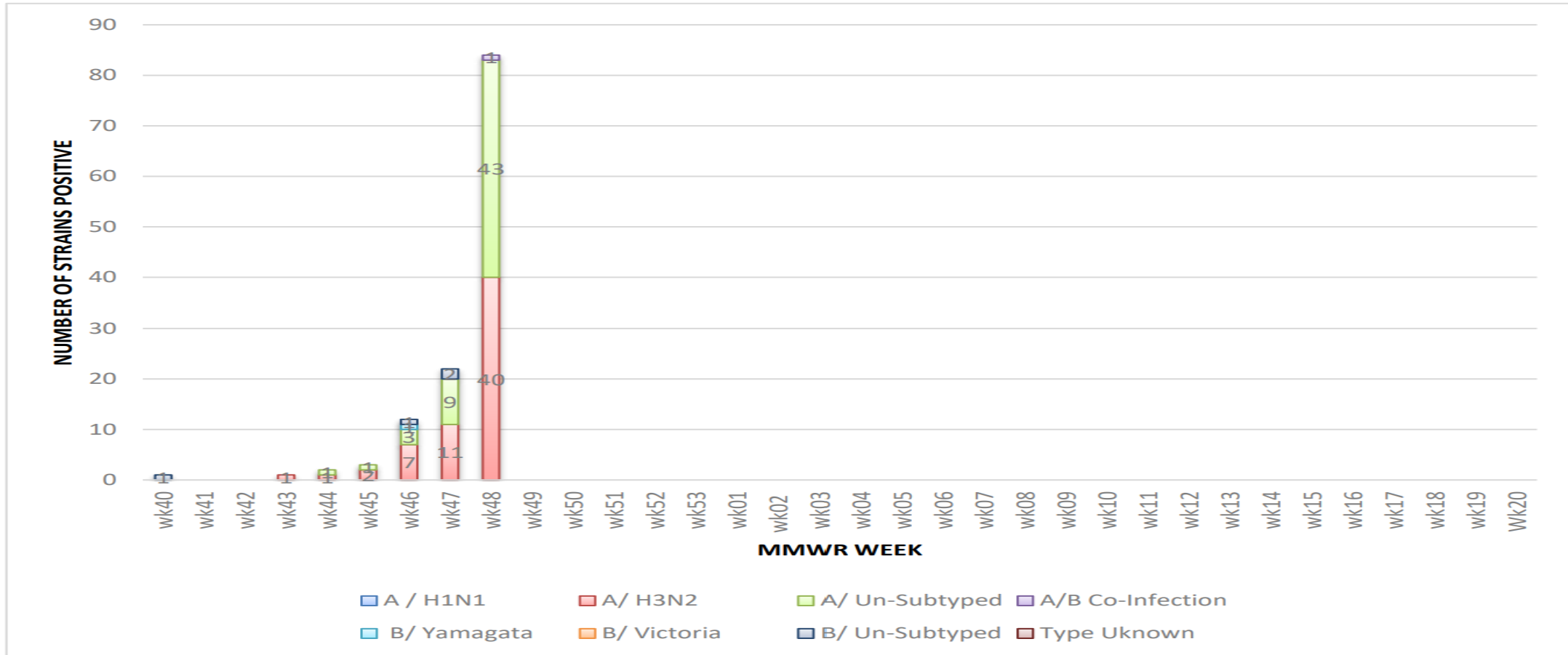
Source: Delaware Department of Health and Social Services, Division of Public Health, Office of Infectious Disease Epidemiology, 2021

Figure 3: Percentage of Emergency Care Visits Due to Influenza-Like Illness MMWR Week 1-Week 48, Delaware 2021



Syndromic data collected from ESSENCE shows that from Week 1 through Week 48, the percentage of ED visits due to ILI symptoms has been increasing from past weeks and is significantly higher than last year’s season. The percentage of ED visits for ILI for Week 48 was highest in Sussex County (4.03%), followed by New Castle County (2.12%), and Kent County (1.44%).

Figure 1: Confirmed Cases of Influenza by Type and Subtype/Lineage, Delaware 2021-2022 Influenza Season



During MMWR Week 48 for the 2021-2022 Delaware Influenza season, there were 84 confirmed cases of Influenza. Currently in this season the predominate strain of influenza in Delaware is Influenza A un-subtyped followed by Influenza A H3N2.

PROMOTE FLU AND COVID-19 VACCINATION WITH THESE HELPFUL TOOLKITS

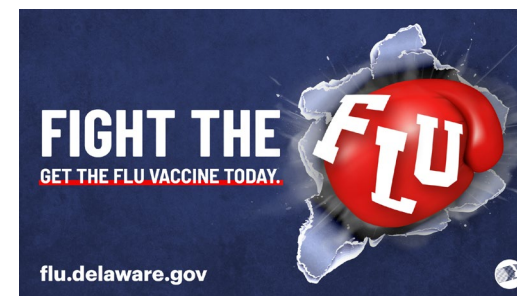
COVID-19

Updated Community Based Toolkit – Videos, social content, website banner graphics, window clings, fact sheets. Find more social media graphics at <https://coronavirus.delaware.gov/coronavirus-graphics/>.



Flu

2021-2022 Flu Season Toolkit – Posters, flyers, FAQs, social media graphics, and more, including many in Spanish and Haitian-Creole.



THANK YOU FOR ATTENDING

Delaware COVID-19 website
de.gov/coronavirus

Delaware flu website
flu.Delaware.gov

Delaware Health Alert Network online registration system
healthalertde.org/

Karyl T. Rattay, MD, MS, FAAP
Director, Division of Public Health
Karyl.Rattay@Delaware.gov
302-744-4701
www.dhss.delaware.gov/dhss/dph



DELAWARE HEALTH AND SOCIAL SERVICES
Division of Public Health