

LaSalle County Health Department

Semi-Annual Communicable Disease Report

Created by

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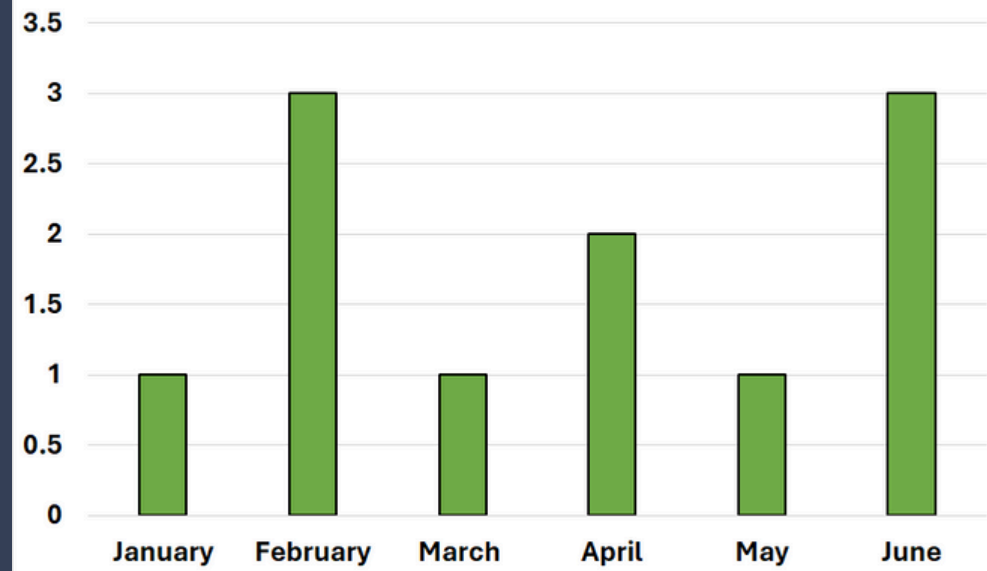
Vehonatan Figueroa, Public Health Nurse RN-BSN



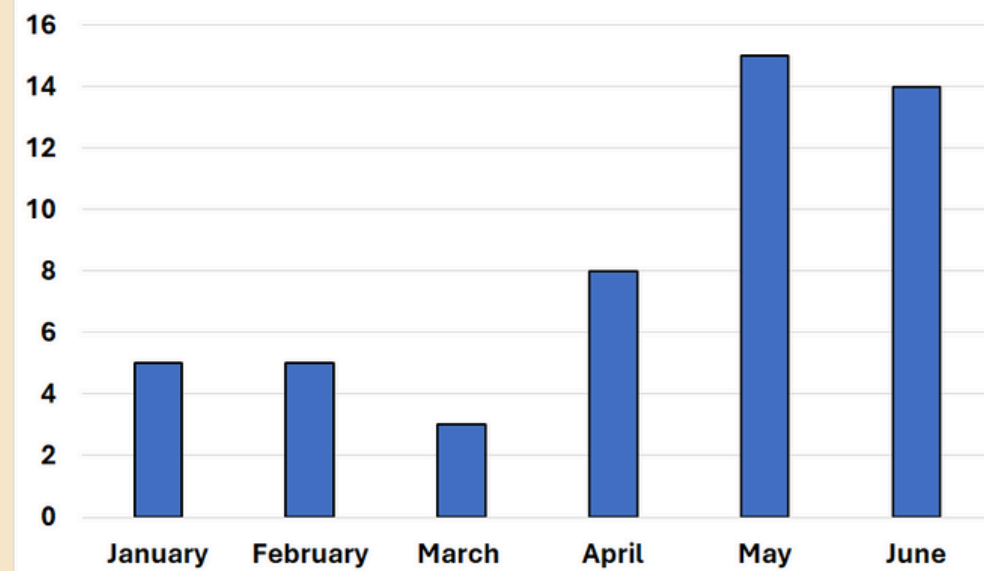
What Happened In LaSalle County So Far, 2024?

TOP INVESTIGATIONS

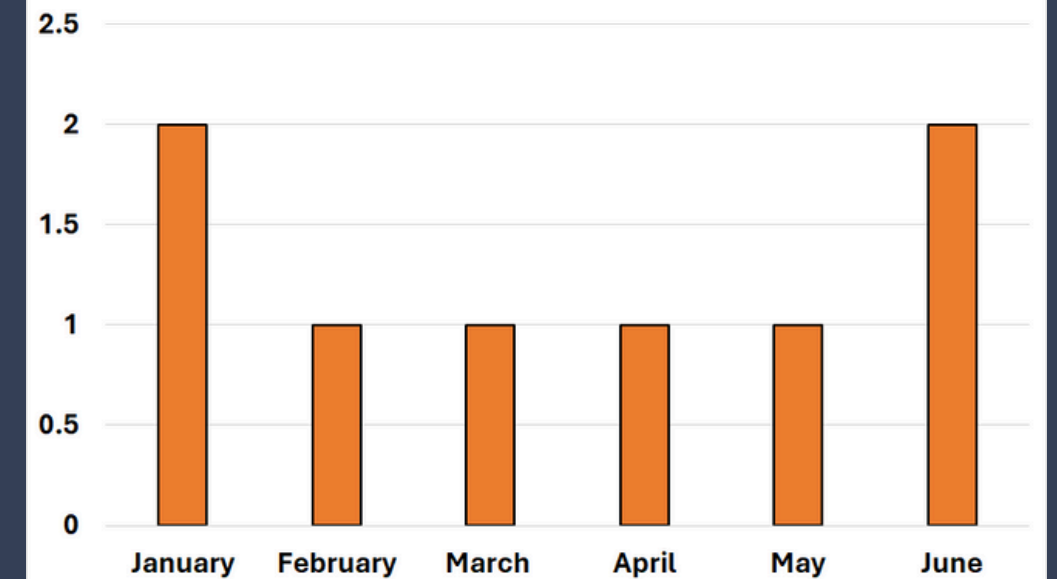
Campylobacter



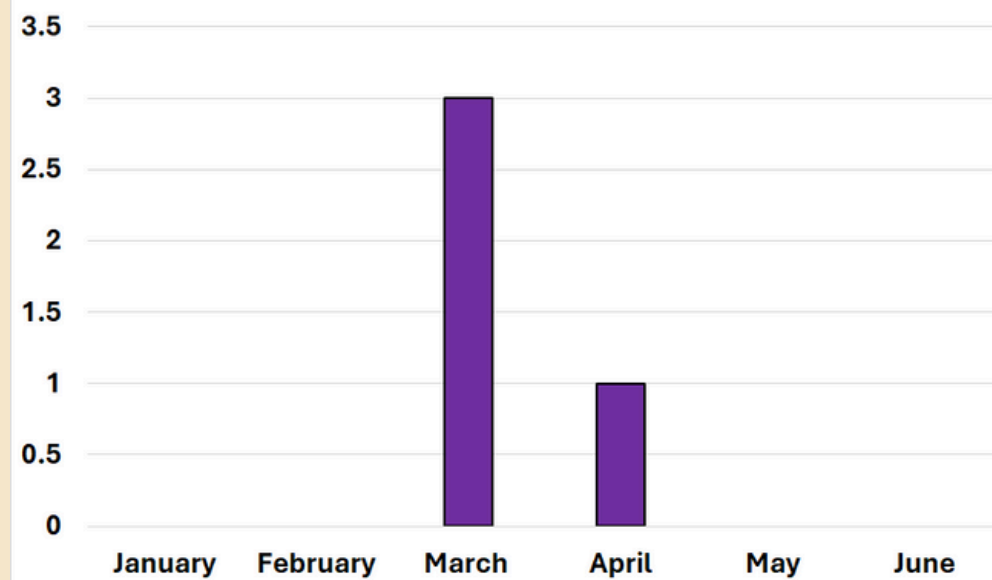
Hepatitis C



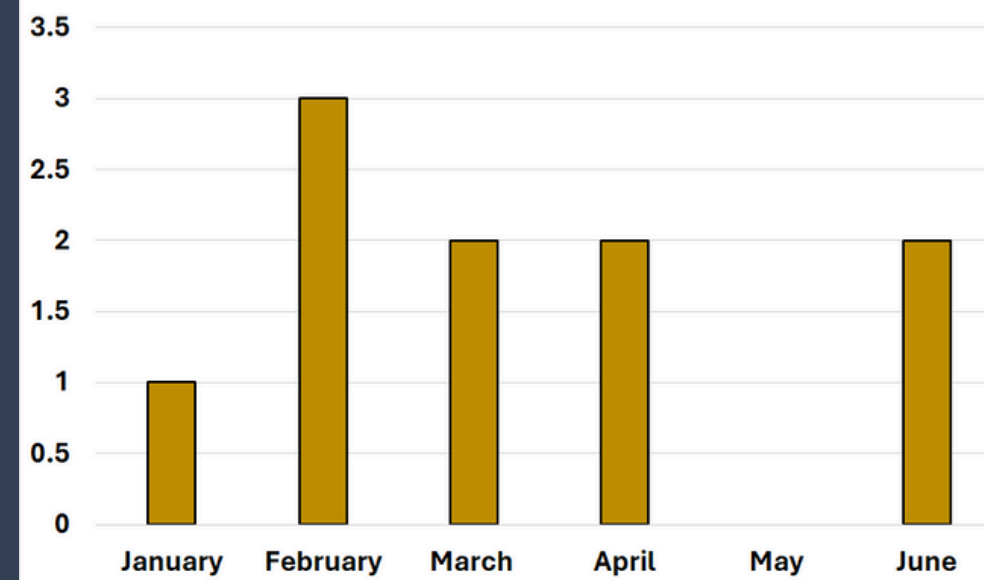
Salmonella



Varicella-Zoster virus (Chickenpox)

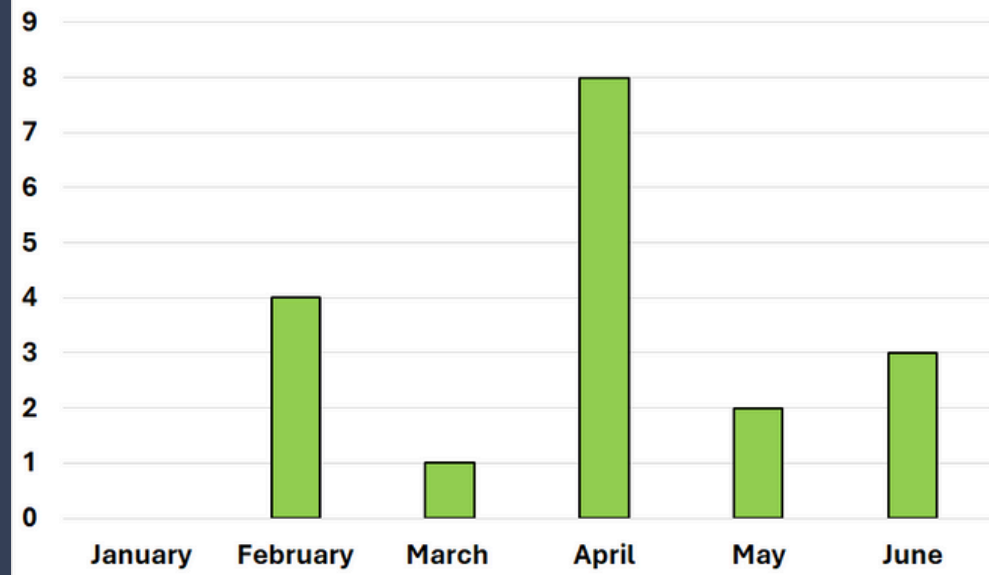


Hepatitis B

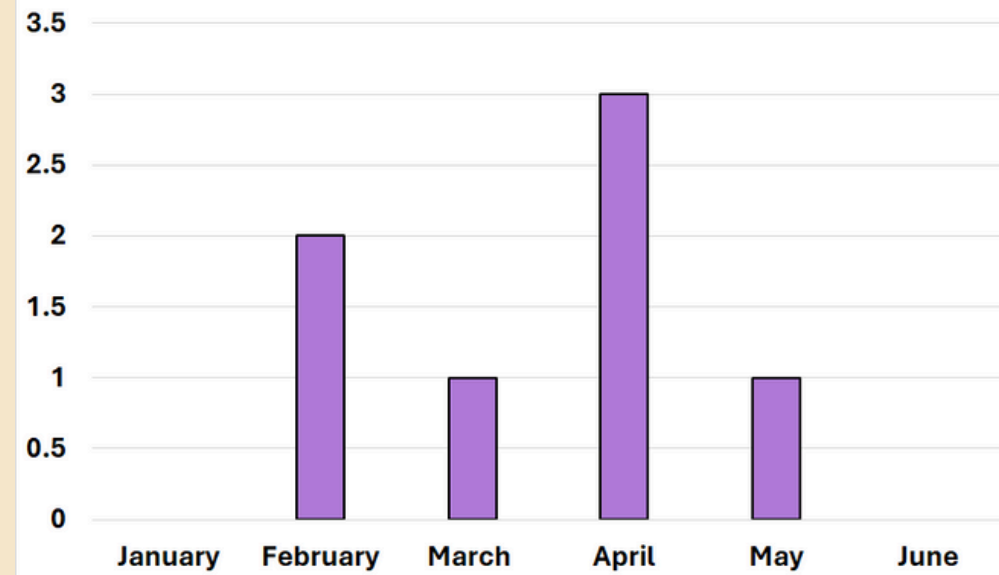


TOP INVESTIGATIONS

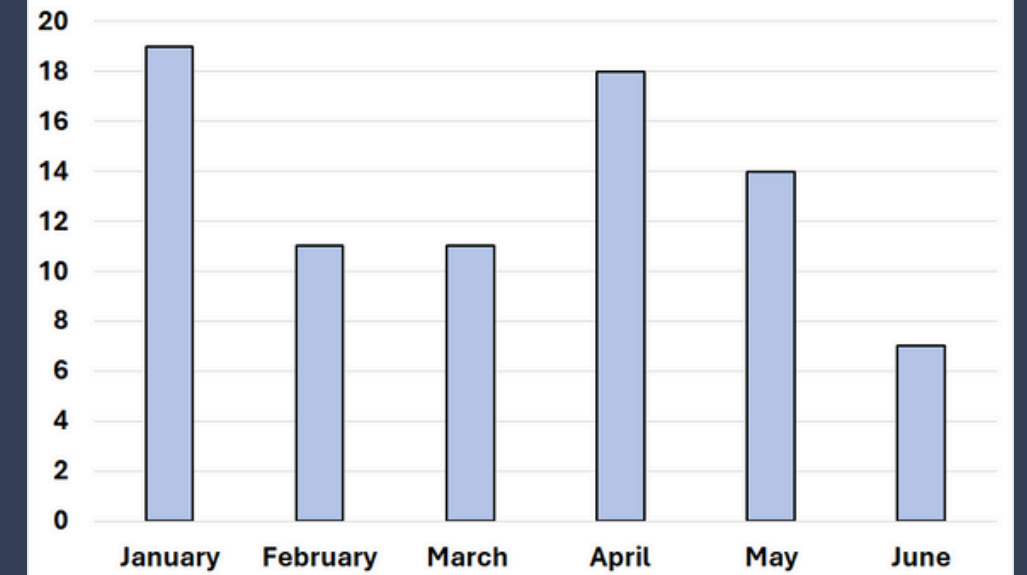
Suspected Tuberculosis



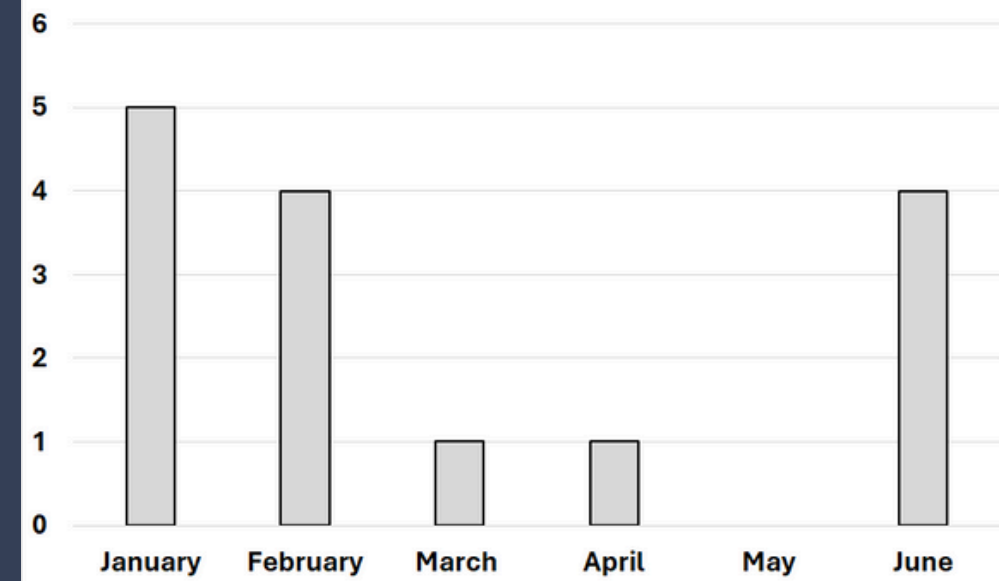
Syphilis



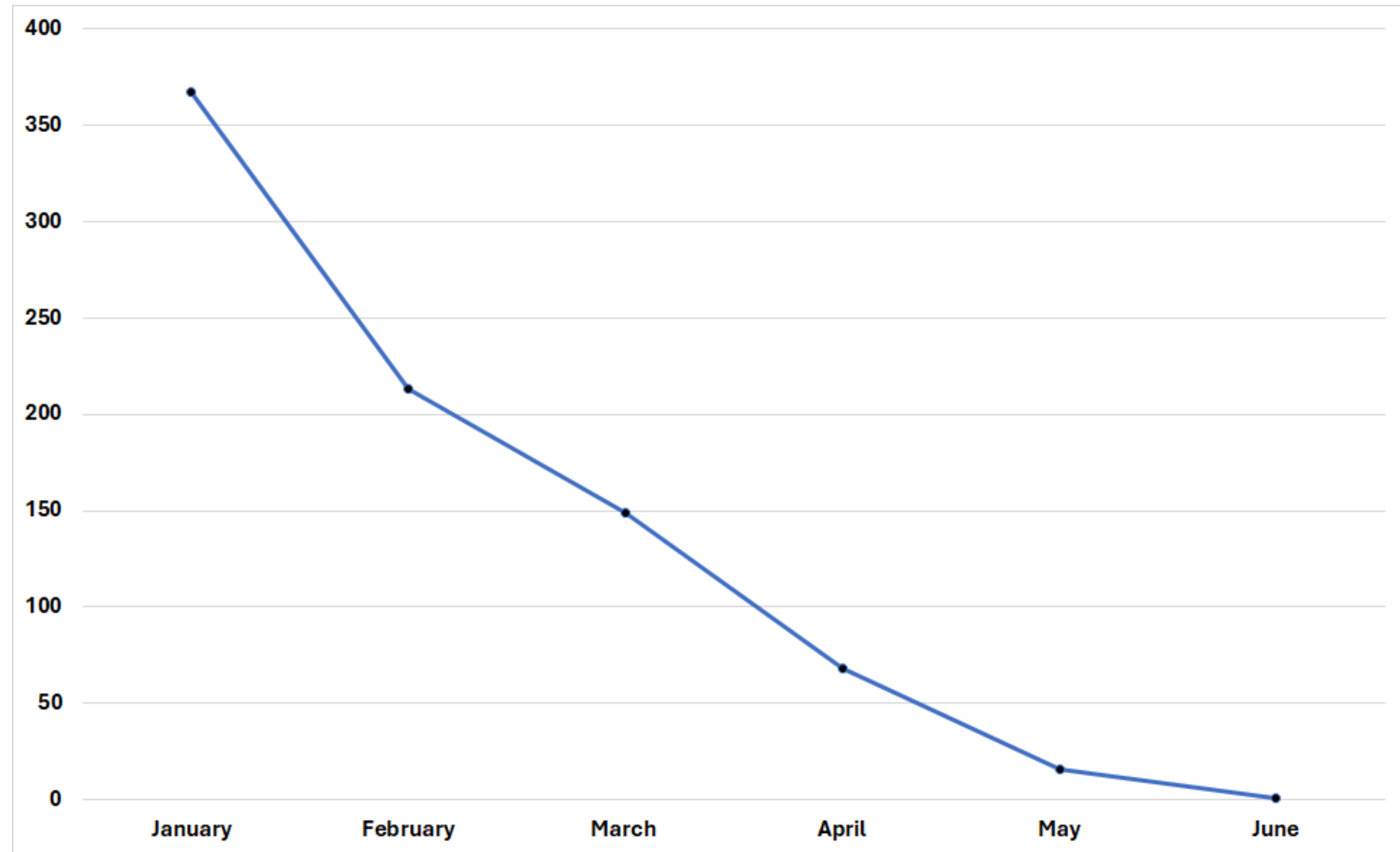
Chlamydia



Gonorrhea



COVID CASES

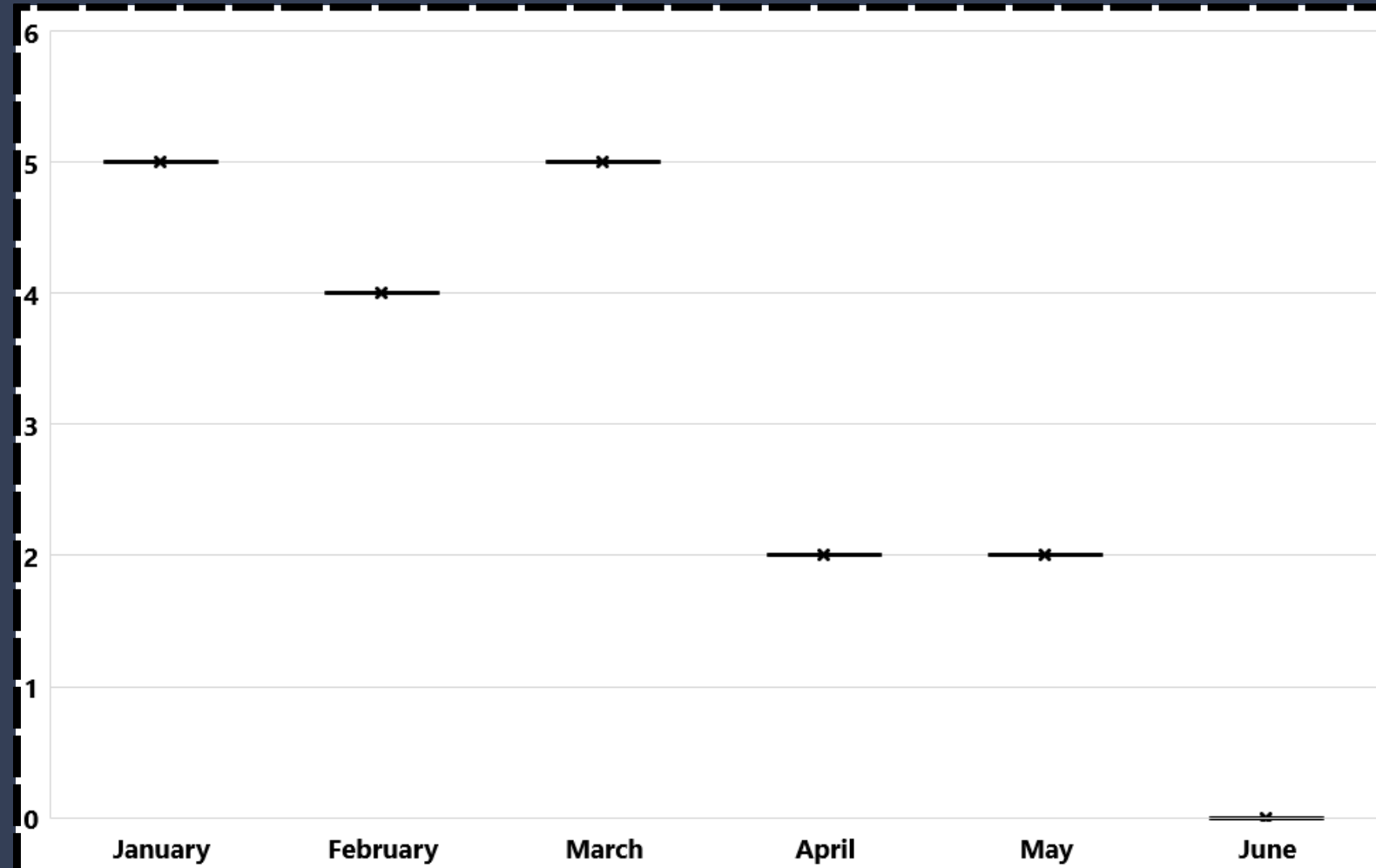


Beginning in May, individual COVID cases are no longer reported to Illinois Department of Public Health.
COVID outbreaks are still reported to the local health department.

LONGTERM-CARE FACILITIES

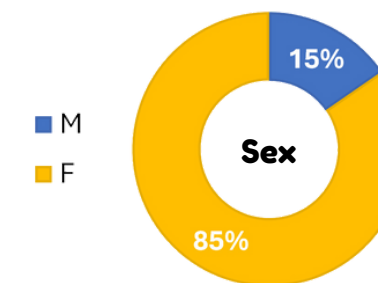
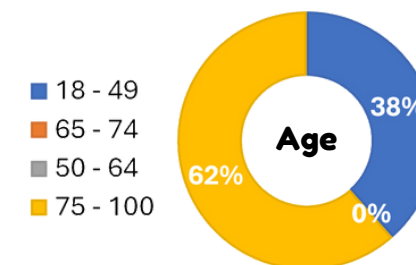


COVID OUTBREAKS IN LONGTERM-CARE FACILITIES

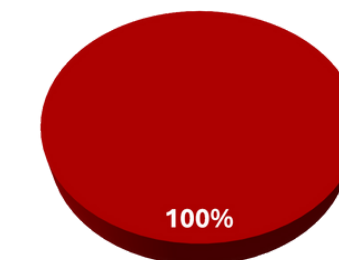
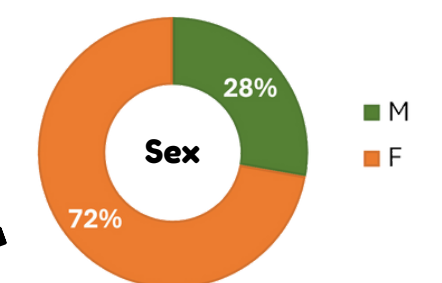
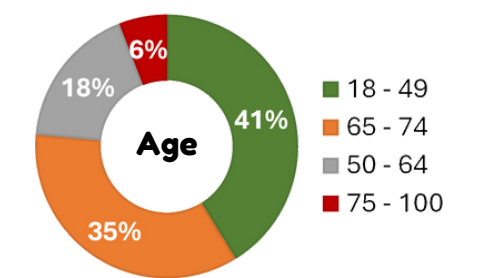


GASTROINTESTINAL OUTBREAKS: 2

FACILITY 1
13 ILL INDIVIDUALS



FACILITY 2
18 ILL INDIVIDUALS



Recovered Deceased

Remember:

Report outbreaks to the health department.

Free Self-Paced Infection Prevention Training for Long-Term Care Facility Staff:

<https://fightvrd.org/>



PROMOTING COMMUNITY HEALTH



SCHOOLS

VACCINE PREVENTABLE DISEASES IS ON THE RISE

Measles Cases in 2024

as of May 30, 2024

This map shows the distribution of measles cases across the United States by jurisdiction. The legend indicates five categories: 0 (lightest blue), 1-9, 10-19, 20-49, and 50-99 (darkest blue). Illinois is highlighted in the darkest blue category (50-99 cases). Other jurisdictions with reported cases are shown in lighter shades of blue. Territories like Puerto Rico and Alaska are also visible.

Legend

- 0
- 1-9
- 10-19
- 20-49
- 50-99

SOURCE: [HTTPS://WWW.CDC.GOV/MEASLES/DATA-RESEARCH/INDEX.HTML](https://www.cdc.gov/measles/data-research/index.html)

Reported US Mumps Cases by Jurisdiction and Year*

Reported Mumps Cases, 2024

This map displays reported mumps cases across the United States by jurisdiction for the year 2024. The legend indicates two categories: No reported cases (light pink) and Reported mumps cases (dark pink). Most jurisdictions show reported cases, while some states like Montana, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Louisiana, Mississippi, Alabama, Georgia, Florida, and Hawaii show no reported cases. Territories like Puerto Rico and Alaska are also visible.

Legend

- No reported cases
- Reported mumps cases

Territories PR

CDC

SOURCE: [HTTPS://WWW.CDC.GOV/MUMPS/OUTBREAKS.HTML](https://www.cdc.gov/mumps/outbreaks.html)



MMRV vaccine can prevent measles, mumps, rubella, and varicella.
Two doses of MMR vaccine are 97% effective against measles and 88% effective against mumps.
MMR vaccine may be given to children 12 months through 12 years of age.
Vaccination keeps students, staff, and the community safe.

Highly Pathogenic Avian Influenza A (H5N1)

WHAT WE KNOW SO FAR - JUNE, 2024

Agent: strain of Influenza A Virus

Vector: birds

Host: poultry, cattle, cats, and humans (rare)

Transmission: contact with infected animals; specific mode of transmission: unknown.

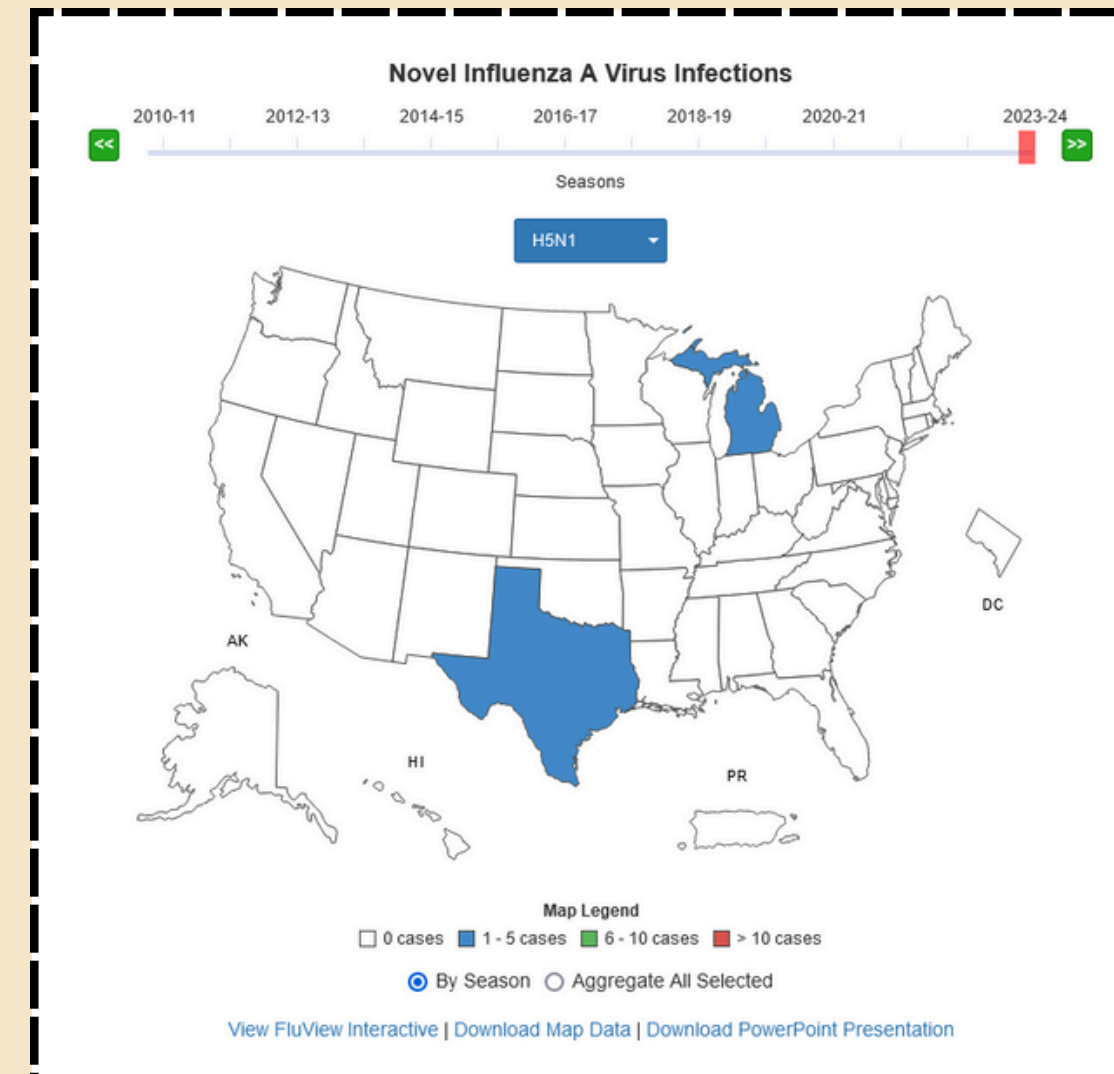
Symptoms: eye infection, respiratory symptoms.

Population at risk: people with close or prolonged, unprotected exposures to infected birds or other animals or environments contaminated by infected animals.

Total Reported Human Cases in the United States: 4

- Case 1: exposed to infected poultry, 2022
- Case 2&3: exposed to infected cattle, 2024

No cases of human-to-human transmission.



Source: <https://www.cdc.gov/bird-flu/h5-monitoring/index.html>



HEALTH PROFESSIONALS





WHAT TO LOOK FOR THIS SUMMER

DISEASE

Lyme
Babesiosis
Rocky Mountain Fever
Anaplasmosis
Tularemia
Encephalitis

AGENT

Tick

COMMON SYMPTOMS

High Fever
Fatigue
Chills
Sweating
Headache
Muscle and Joint Aches
Loss of Appetite





WHAT TO LOOK FOR THIS SUMMER

DISEASE

West Nile Virus
Malaria
Dengue

AGENT

Mosquito

COMMON SYMPTOMS

Fever
Flu-Like Symptoms
Chills
Sweating
Headache
Fatigue
Vomiting





WHAT TO LOOK FOR THIS SUMMER

DISEASE

Histoplasmosis
Blastomycosis

AGENT

Fungus

COMMON SYMPTOMS

Cough or Cough With Blood
Shortness Of Breath
Chills and/or Night Sweats
Back or Chest Pain
Skin Sores That Don't Heal





RABIES

Rabies is a fatal but preventable viral disease. It can spread to people and pets through the bites and scratches of an infected animal.

WHEN TO ADMINISTER PEP?



WHEN TO ADMINISTER PEP?

CAT/DOG

Animal is healthy
and provoked bite.

Observe for 10 days

Becomes ill or dies

Survives

Test for rabies

NO PEP

Positive

Negative

UNABLE to test for rabies

PEP

NO PEP

PEP

Signs of rabies
and provoked bite.

Test for rabies

Positive

Negative

UNABLE to test for rabies

PEP

NO PEP

PEP



WHEN TO ADMINISTER PEP?

Bat

In a room awake and
no physical contact.

NO PEP

Bite, scratch, saliva in wound or
unsure of contact.

Test for rabies

Positive

PEP

Negative

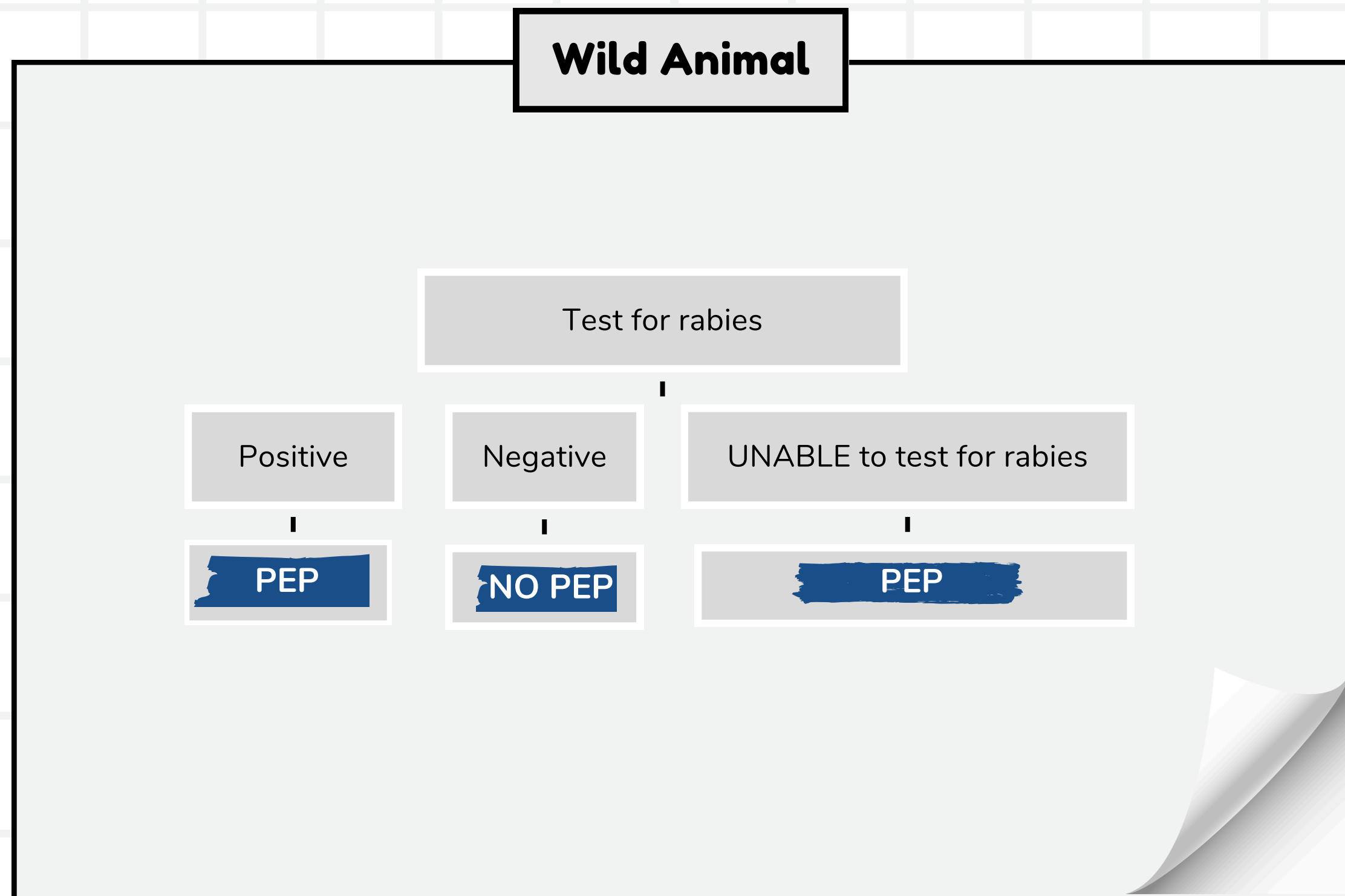
NO PEP

UNABLE to test for rabies

PEP

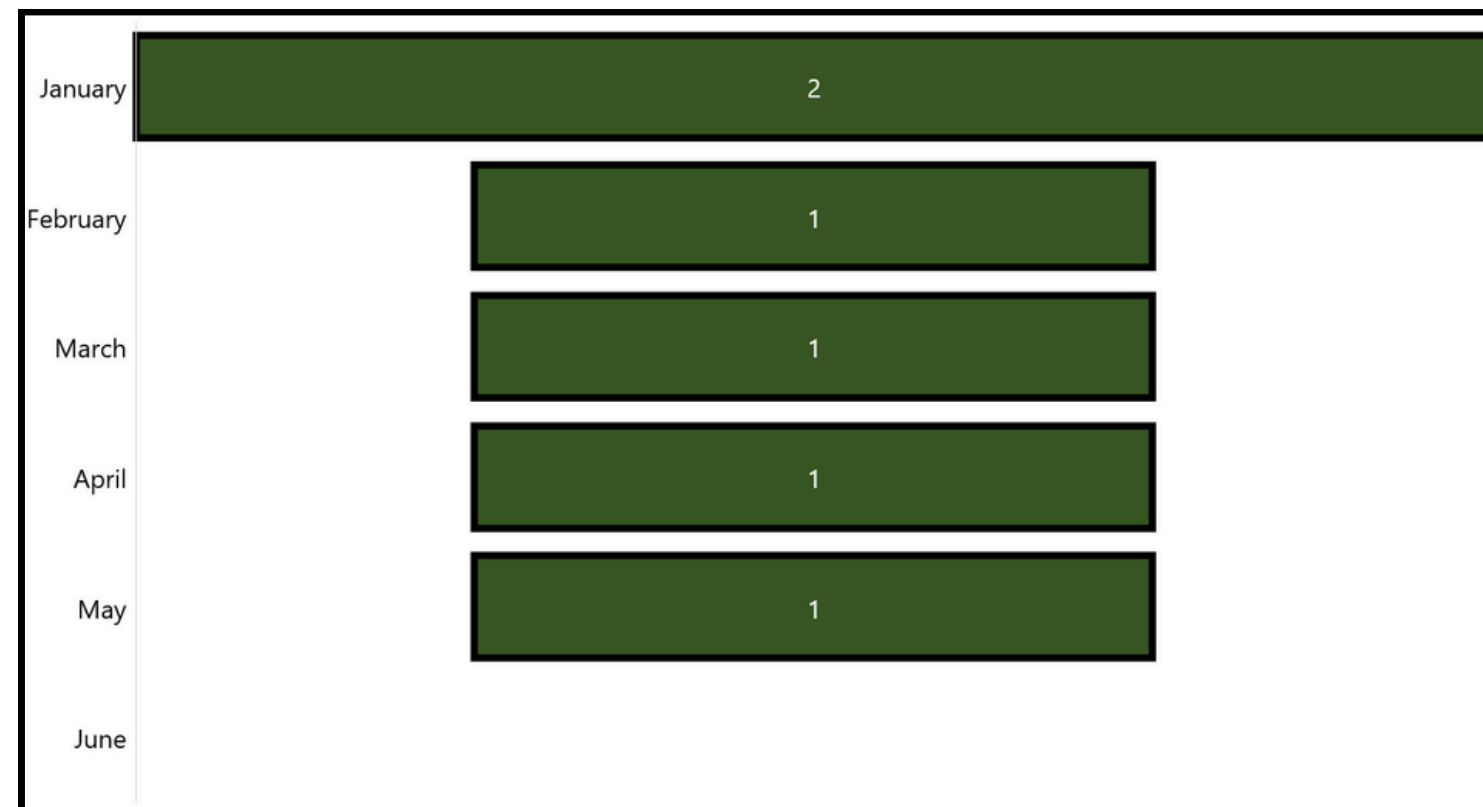


WHEN TO ADMINISTER PEP?

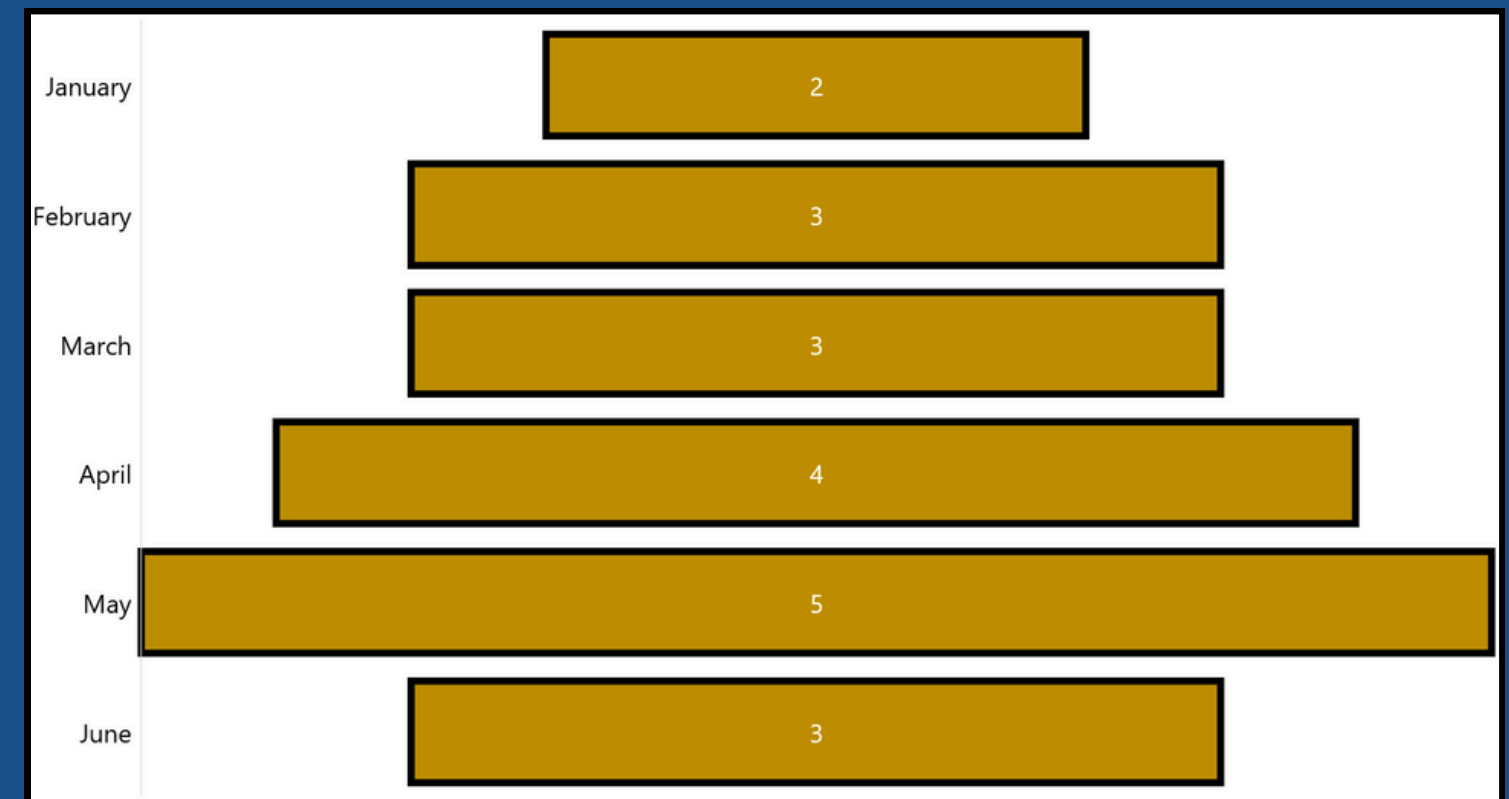


CASES REPORTED TO THE HEALTH DEPARTMENT

Histoplasmosis Diagnosis



Rabies Exposure Calls



REPORTABLE INFECTIOUS DISEASES UPDATED POSTER:

[CLICK HERE](#)

HIV PrEP

HIV Pre-Exposure Prophylaxis (PrEP) is a medication to PREVENT the transmission of HIV. When taken appropriately, it can reduce the chance of getting HIV by 99%.

Source: www.HIV.gov

Three FDA Approved PrEP Medications

Client must have a negative HIV test prior to starting PrEP.

Truvada® or (generic equivalent)
Once Daily Pill

Descovy® or (generic equivalent)
Once Daily Pill

Apretude® (Cabotegravir 600mg)
Once every 2 months Intramuscular Injection

How to pay for PrEP?

Most insurances, Medicaid, and Medicare Part D cover PrEP.

State of Illinois has a medication assistance program for uninsured and underinsured clients at www.prep4illinois.com

Any provider can prescribe PrEP. However, there are registered providers found at <https://preplocator.org/>

Who is PrEP a good choice for?

Any of the following can apply:

Have a sexual partner with HIV.

Have a drug injection partner with HIV.

Do not use condoms regularly.

Have been diagnosed with an STI in the last 6 months.

Share drug injecting equipment.



Latent Tuberculosis Infection

Latent Tuberculosis Infection, also known as LTBI, is a dormant mycobacterium tuberculosis infection that can progress to active TB disease. The patient is not sick or infectious with LTBI. The patient will have a positive TB test and a normal chest radiograph (chest-xray).



Latent Tuberculosis Infection

LTBI Treatment Regimens

Client should receive a blood panel, liver panel, and baseline HIV test prior to treatment.

(3HP) Isoniazid* and RifaPENTine: 3 months
Once Weekly Medication (DOT**)

(4R) RifAMPIN: 4 months
Daily Medication (SAT/DOT**)

(3HR) Isoniazid* and RifAMPIN: 3 months
Daily Medication (SAT/DOT**)

(6H/9H) Isoniazid: 6 or 9 months
Daily or Twice Weekly*** (SAT/DOT**)

*Isoniazid regimen has increased risk for hepatotoxicity

**DOT= Directly Observed Therapy SAT=Self Administered Therapy

***Twice Weekly Regimen must be given DOT

TB Tests

IGRAs (Interferon Gamma Release Assays)

Types:

- 1) QuantiFERON Gold
- 2) T-Spot

IGRAs, once positive, will generally remain positive for life.

Once diagnosed with LTBI, screening can be a yearly chest x-ray.

BCG (Bacille Culmette Guerin) Vaccine has no effect on IGRAs.

Tuberculin Skin Test (TST/Mantoux)

Placement must be read in 48-72 hours.

If a 2-step, 2nd step can be given 7 to 21 days after 1st step placement.

TST Results are generally valid for 1 year.

BCG Vaccine will create false positives in TST.

Latent Tuberculosis Infection

FACTS

Source: CDC Core Curriculum on TB

Over 80% of Active TB cases are from untreated Latent TB Infection.

Patients with LTBI and no risk factors have a 5-10% lifetime risk of developing active TB Disease.

Patients with LTBI and diabetes have a 30% lifetime risk of developing active TB Disease.

Patients with LTBI and HIV have a 7-10% risk, PER YEAR (Not lifetime), of developing active TB Disease.

Tuberculosis Linked Resources and Literature for Providers



CDC Core Curriculum on TB for Providers
Downloadable PDF intended as a reference manual for clinicians caring for patients with Active TB Disease or Latent Infection.



Tuberculosis Screening, Testing, and Treatment of U.S. Health Care Personnel: Recommendations from the National Tuberculosis Controllers Association and CDC, 2019.



Southeastern National Tuberculosis Center
CDC funded medical consultation service to healthcare professionals at no-cost. Provides 24/7 access to TB clinical experts such as Nurses, Doctors, and Pharmacists.



Guidelines for the Treatment of Latent Tuberculosis Infection: Recommendations from the National Tuberculosis Controllers Association and CDC, 2020.

Sexually Transmitted Infection

Linked Resources and Literature for Providers

IDPH Perinatal Syphilis Warmline: Launched 11/2023

Acting to address a sharp increase in congenital syphilis cases among newborns, the Illinois Department of Public Health (IDPH) is urging healthcare providers to conduct more testing for the sexually transmitted infection in advance of birth. This is a new phone line to provide clinical consultation for providers who treat pregnant patients and newborns. The service called the Perinatal Syphilis Warmline (at 1-800-439-4079) comes in response to an almost tripling in the number of congenital syphilis cases in Illinois since 2021. There were 29 cases in the state in 2020, 50 cases in 2021 and 84 cases in 2022. Calls will be answered within a day.



National Network of STD Clinical Prevention Training Centers
CDC Funded Facility that offers health care professionals free medical consultations for STIs (Sexually Transmitted Infections).



2021 CDC STD Official Treatment Guidelines-Wall Chart View



Clinical Guidance Document on the treatment, prevention, and management of syphilis. Based on 2015 treatment guidelines; however, it provides excellent information on diagnosis and management of syphilis.

LASALLE COUNTY HEALTH DEPARTMENT SERVICES

Tuberculosis Skin Testing (TST)

-Walk-ins Welcome-
1-Step & 2-Step testing.
No TST placements on Thursdays.
1-Step: \$20 2-Step: \$35

Sunny Hill TB Center

-Sunny Hill is a contracted provider for TB/LTBI evaluation and care.
-Eligible clients are LaSalle County residents that are uninsured and low-income.
-Referrals to Sunny Hill can only be made through LCHD.

Free Radon Testing Kits

Walk-in to get your free radon kit today to test your home. Radon is an odorless, colorless gas that can cause lung cancer.

Women, Infants, and Children (WIC)

WIC is a federal program for eligible low-income families to receive supplemental nutritious foods, nutrition education, and referrals to community resources. Eligible participants are pregnant women, infants, and children (up to their 5th birthday).

Illinois Breast and Cervical Cancer Program (IBCCP)

IBCCP is a program that helps eligible women receive comprehensive breast and cervical cancer screening services through contracted providers. Eligible women include those that are uninsured or underinsured (high deductible). Generally, eligible women are aged 21-64 years for cervical services and aged 40-64 years for breast services. LaSalle County Health Department serves both Grundy and LaSalle county residents.

Free Rapid Finger Stick HIV Screening

Walk-ins Welcome, or by appointment.
15 minutes to receive a result.

Tuberculosis Medication Case Management

-Monthly Medication Follow Up for Self Administered Therapies.
-Directly Observed Therapy (DOT) for weekly treatment regimens.
-For uninsured patients, medication assistance may be available through LCHD.

Free Condoms

Free condoms are available in the lobby.

Immunizations

-LCHD offers routine immunizations for adults, children, and infants. Some travel vaccines are also available.
-LCHD participates in the Vaccines for Children (VFC) Program, a federal program that offers low or no-cost vaccines for children (less than 19 years old) that are uninsured, Medicaid-Insured, or Alaskan Native/American Indian.
-Immunizations require an appointment.

Free Larvicide

Control mosquitos indoors and outdoors.

LaSalle County Health Department

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THANK YOU!

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