



Public Health

Prevent. Promote. Protect.

**Christian County
Health Department**

Christian County Health Department

Annual Report 2023

December 1, 2022 -

November 30, 2023

Table of Contents

Our Information and Mission	3
About Us	4
About the Christian County Health Department	5
About this Annual Report	5
Message from the Administrator Dr. Chad Anderson	6
Finance	7
Environmental Health	9
Food Program	9
Vector	12
Water, Wells, Non-Community Water	15
Septic	16
Tanning	17
Body Art	17
Lead	18
Smoke Free Illinois	20
Narcan Box Locations	21
Capability and Planning Guide	23
Immunization Program & Vaccine	25
Data TB Clinic	27
Optical Program	28
Patient Demographic	29
Women, Infants & Children (WIC)	30
Social Media	31

Our Information

The mission of the Christian County Health Department is to serve our community by preventing the spread of disease, as well as protecting, assuring and improving the public's health.



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About Us

Christian County Board of Health

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Vicki M. McMahon, MSN, RN	Vice President
Lindsay Fox, BSN, RN	Secretary
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Dan Held	
Dr. Pavinderpal Gill, MD, JD	
Dr. Chad Anderson, MPH, Ph.D	Administrator
Dr. Hwa-Long Chen, MD	Medical Director
Dr. Donald Graham, MD	Infectious Diseases



About the Christian County Health Department

Christian County Health Department is a single county health department covering Christian County with a current population of 33,436 residents, according to the 2020 US Census. Christian County Health Department is certified and employs 9 full time employees and 3 part time employees. The Health Department is a resolution health department that receives grant funding and local tax dollars for the TB program from a previous referendum. We promote and provide public health services to all community members within Christian County.

About this Annual Report

The Christian County Health Department prepares an annual report to provide further transparency to our community and to abide by regulatory requirements set forth in 55 ILCD Sec. 5-25013 A. 14 to submit an annual report explaining all of its activities and expenditures.

Message from the Administrator

I hope this message finds you all in good health and high spirits. I wanted to take a moment to share some incredibly exciting news about our health department's recent developments and achievements from 2023.

First and foremost, I am thrilled to announce that we have successfully relocated to a new, modern facility. This move was driven by our strong desire to expand our programs and services for mental health, ensuring that we can better serve and support our community. With this new space and location, we have the opportunity to grow, innovate, and make an even greater impact on the well-being of our residents.

In line with our unwavering commitment to public health, we have taken a significant step forward by adding vector surveillance and tick surveillance as a proactive method for preventing diseases such as West Nile and Lyme disease. Another important service we have added to the health department is car seat checks. Our Emergency Management Coordinator recently obtained his National Certification for car seat checks. This means that families in our community can now bring their cars with their car seats for a free check. It is crucial to ensure that little ones are safe while traveling, and this service can help parents to have the seats properly installed.

I'm thrilled to announce that our optical program is making a comeback to CCHD. We are now able to provide glasses for individuals who bring in their prescriptions for little to no cost to the individual. This means that more people in Christian County will have access to affordable eyewear, improving their vision and overall quality of life. It is an incredible opportunity to make a positive impact on the health and well-being of our community.

Lastly, I want to highlight the tremendous success of our first annual food workshop we had in March 2023. This event was a resounding triumph, bringing together various establishments and stakeholders to promote safe food practices. The engagement and enthusiasm displayed by all participants were truly inspiring. I am thrilled to announce that we are fully committed to continuing this initiative, as it serves as a vital platform to educate and empower our community on the importance of safe food handling and preparation.

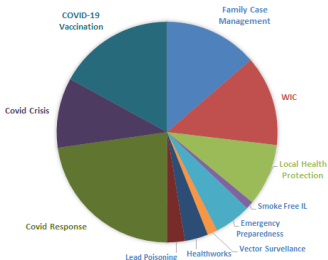


Dr. Chad Anderson, MPH, Ph.D

Finance

Revenue Source	Revenue Collected	Expenses
Fees Collected	\$77,133.32	\$563.70
Private Pay Insurance	\$182,974.75	\$56,860.54

Grant	Award Amount	Percentage
Family Case Management	\$120,510.00	14%
WIC	\$116,315.00	13%
Local Health Protection	\$80,225.00	9%
Smoke Free IL	\$10,000.00	1%
Emergency Preparedness	\$47,589.00	5%
Vector Surveillance	\$13,000.00	1%
Healthworks	\$30,000.00	3%
Lead Poisoning	\$23,100.00	3%
Covid Response	\$200,000.00	23%
Covid Crisis	\$90,317.41	10%
COVID-19 Vaccination	\$150,000.00	17%
TOTAL AWARD	\$881,056.41	
TOTAL GRANT EXPENSES	\$732,870.82	



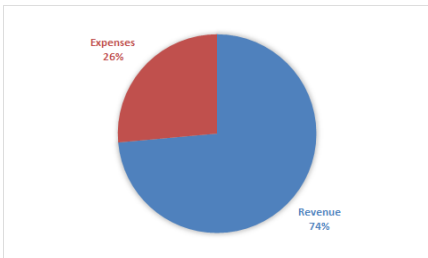
Finance

TB Sanitarium Revenue

	TOTAL
Real Estate Taxes	\$76,019.48
Interest	\$1,768.10

TB Sanitarium Expenses

	TOTAL
Salaries/Fringe	\$10,257.38
Admin & Medical Costs	\$15,000.00
Contingency Fund	\$2,672.52



Food Program

Under the provisions set forth in the Christian County Food and Sanitation Ordinance, Environmental Health staff are responsible for protecting individuals consuming foods in Christian County from food-borne illnesses. Activities include issuance of permits, inspections, destruction of unwholesome food, and complaint investigations. Administrative hearings are an opportunity for establishments with numerous violations to meet at the Health Department for an educational session to reduce future violations.

Food Establishment Inspections.....	224
Permits Issued.....	234
Temporary Permits Issued.....	157
Cottage Food Permits Issued.....	12
New Plan Review.....	9
Investigations.....	168
Complaints.....	3
Administrative Hearings.....	10

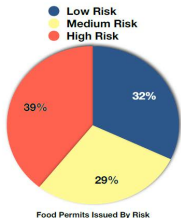
Food Program

All establishments that sell food in Christian County are required to hold a valid Christian County food license. Each establishment is then placed into a category depending on the amount of food preparation that occurs at that establishment.

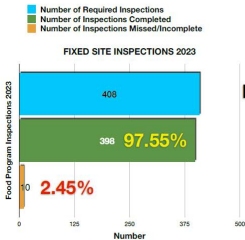
High Risk - A food establishment that presents a high relative risk of causing a foodborne illness based upon the large number of food handling operations typically implicated in foodborne outbreaks and/ or the type of population served by the facility.

Medium Risk - A food establishment that presents a moderate relative risk of causing foodborne illness based upon few handling operations typically implicated in foodborne illness outbreaks

Low Risk - A food establishment that presents a low relative risk of causing a foodborne illness based upon few or no food handling operations typically implicated in foodborne illness outbreaks.



Food Permits Issued By Risk



FOOD SAFETY INSPECTIONS 2023

2022-2023

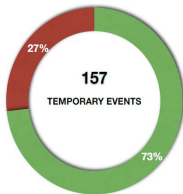
97.55% food safety inspections completed

Food Program

A temporary food establishment is a food establishment that operates for a period of time not more than 14 consecutive days in conjunction with a single event or celebration.

The Environmental Health staff conducts inspections of these temporary establishments to ensure they are following the proper food handling operations as outlined in the Christian County Food and Sanitation Ordinance.

Temporary Food Events Permits	
COMPLETED INSPECTIONS	INCOMPLETE INSPECTIONS
115	42



Vector

Illinois Department of Public Health awards annual grants to local health departments to conduct vector surveillance and control measures. Environmental Health Staff trap mosquitoes to track the presence of West Nile Virus. The trap is filled with an organic liquid so that adult mosquitoes are drawn to the trap and are caught in a net. The net is gathered and taken to the health department and the mosquitoes are frozen. The frozen mosquitoes are counted, ground and spun in a centrifuge and then tested for West Nile.

Environmental Health Staff also collect birds, such as blue jays, crows, and robins to test for West Nile Virus. These birds are more susceptible, with a higher rate of testing positive for West Nile Virus. The birds we collect are frozen and sent to the IDPH state lab for further testing.

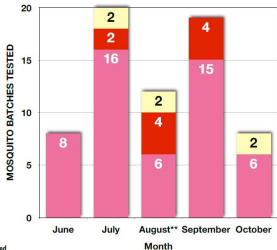
Environmental Staff was able to begin conducting tick surveillance. The staff is able to collect ticks from locations to test for tick borne disease like Lyme disease. We also collected bats to send to the IDPH state lab to test for rabies.

Mosquito Samples (10 positive).....	67
Bird Samples (1 positive).....	9
Tick Sites Tested.....	1
Bats Tested (1 positive).....	5

Vector

WEST NILE VIRUS SURVEILLANCE & TESTING RESULTS

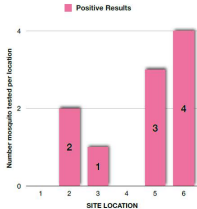
■ Inconclusive Results*
■ Number Positive Test Results by Month
■ Number of Negative Test Results by Month



*Inconclusive results were from battery fails, no mosquitoes trapped or all males trapped.

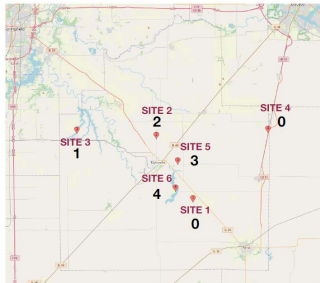
**No Testing 8/2/23 to 8/21/23. EH Inspectors out of town training for Lead.

WEST NILE VIRUS SURVEILLANCE & TESTING RESULTS



Positive Results Per Trap Location

Larvicide Application/Distributed 10

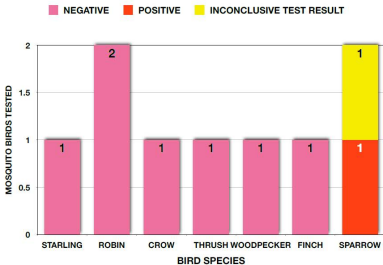


Vector

DEAD BIRD REPORT

9

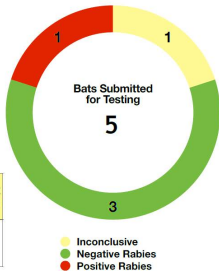
BIRDS SUBMITTED



Nuisance

RABIES TESTING

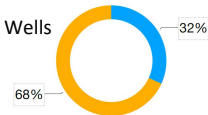
BATS COLLECTED AND TESTED	POSITIVE RESULTS FOR RABIES	NEGATIVE RESULTS FOR RABIES	INCONCLUSIVE TEST RESULTS
5	1	3	1



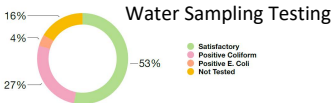
Water, Wells, & Non-Community Water

Potable water is water that is safe to drink or to use in food preparation under the provision set forth in the Christian County Ordinance governing Water Well Permit And Water Supply. Environmental Health focuses on reducing the risk for transmission of communicable disease by promoting the proper design, construction, and sealing of drinking water wells. A major consideration in constructing water wells is to prevent contamination from surface or shallow ground water, sewage disposal systems, and other hazardous sources from entering the well.

Water Sample Tests Received.....	49
Unsatisfactory Samples.....	23
Non-Community Samples.....	5
Permits for New Wells.....	15
Permits for Sealed Wells.....	7



● Wells Sealed
● New Wells

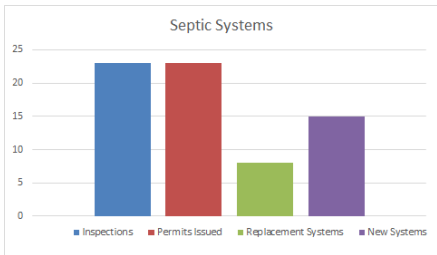


*SAMPLES NOT TESTED DUE TO COLLECTION DATE BEING TOO OLD TO TEST

Septic

The Private Sewage Disposal Program operates under the provisions set forth in the Christian County Private Sewage Disposal Systems Ordinance. Environmental Health Staff are responsible for protecting residents from serious health hazards caused by malfunctioning or improperly constructed private sewage disposal systems.

Inspections.....	23
Permits Issued.....	23
Replacement Systems.....	8
New Systems.....	15
Pumper Inspections.....	15

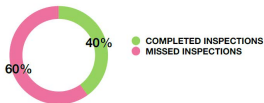


Tanning and Body Art

Upon receipt of a completed registration for a tanning facility, Environmental Health Staff conducts an inspection to monitor compliance with the IL Administrative Code.

TANNING

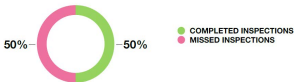
2023 INSPECTION REQUIRED	INSPECTIONS COMPLETED	MISSED INSPECTION
5	2	3



All establishments providing body art services such as tattooing, piercing, branding or scarification are required to be registered. Upon receipt of a completed registration application, Environmental Health Staff conducts an inspection to monitor compliance.

BODY ART

2023 INSPECTION REQUIRED	INSPECTIONS COMPLETED	MISSED INSPECTION*
2	1	1



*MISSED INSPECTION DUE TO BUSINESS CLOSURE

Lead

Lead screenings are completed to determine lead levels in children. Early detection of lead poisoning is important in the prevention of learning disabilities, behavioral problems, brain damage, muscle weakness, or even death.

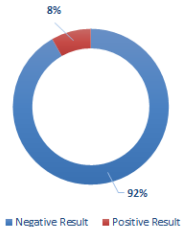
This year the Health Department acquired a rapid lead analyzer that reads a capillary blood sample in three (3) minutes.

Screenings Completed.....547

Lead Tests Conducted

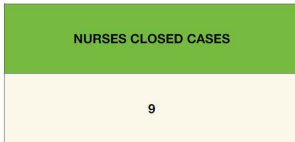
PB Level	Number of Patients
No result	0
0-4	501
5-9	31
10-14	7
15-19	3
20-29	3
30-44	0
45-69	2
>= 70	0
Total Tests	547

Lead Testing Results



Lead

Individual Lead Cases	
Cases opened automatically	14
Cases opened manually	8
Total number of cases open	22



Smoke Free Illinois

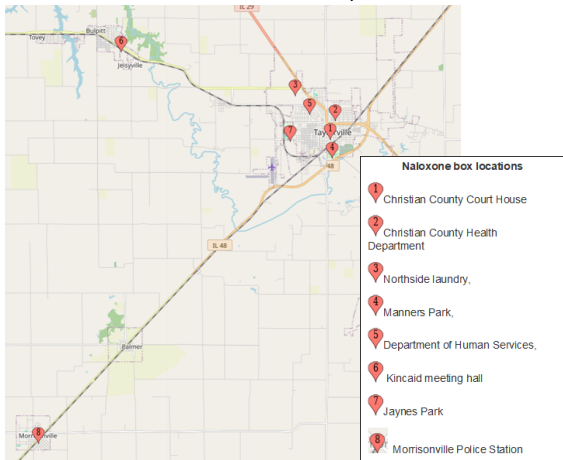
Illinois Department of Public Health provides funding to the Christian County Health Department to implement strategies for prevention of youth tobacco initiation, secondhand smoke elimination, including promotion and enforcement of the Smoke-Free Illinois Act, and tobacco cessation, including promotion of and referral to the Illinois Tobacco Quitline.

The Smoke-Free Illinois Act (Public Act 95-0017) protects the public from the harmful effects of exposure to tobacco smoke by prohibiting smoking in public places and places of employment and within 15 feet of any entrance, exit, windows that open, or ventilation intake of a public place or place of employment. Funding is provided to certified local health departments to conduct compliance inspections.

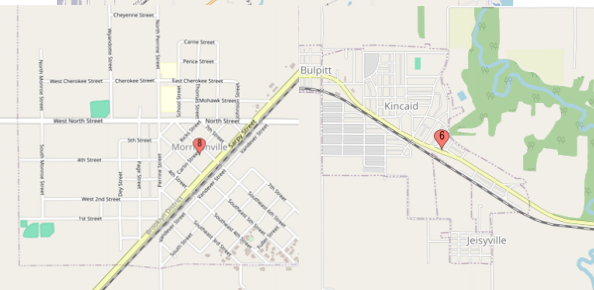
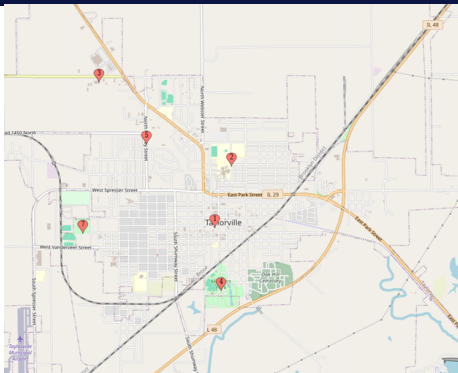
COMPLAINTS	INVESTIGATIONS
2	2

Narcan Boxes in Christian County

The opioid epidemic is a major public health crisis that impacts nearly every region and demographic group in the United States. Narcan is a drug that can help save someone's life if they accidentally or intentionally overdose on an opioid. Narcan is safe, effective, inexpensive, and relatively easy to administer. In collaboration with the Phoenix Center and The Christian County Prevention Coalition we have mapped all the Narcan box locations in Christian County.



Narcan Boxes in Christian County



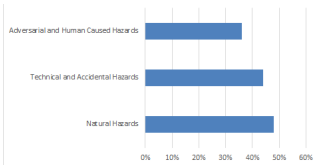
Capability and Planning Guide

The capability and planning guide was completed for the county. This document provides the framework for our local public health system to assess our needs, plan our priorities, and develop their capabilities and resources. While partnering with the Fire Department, the Sheriff's Office, Taylorville Memorial, the county's Emergency Manager (EMA), and the Coroner's office, this document was completed, strengthening our partnership with these entities. The results of the guide show that we are 80% effective. Which means we have significant ability and capacity to handle the 15 public health capabilities we have as a county. The public health system risk assessment was completed by partnering with the County EMA.

This document shows the risk level of 34 different possible emergencies ranging from natural disasters, technical and accidental hazards and adversarial and human caused hazards. Two specific hazards have been left out as they do not pertain to this county, which are nuclear power utility disruption and space weather. The tables show the type of disaster and the risk percentage we have as a county. The percentage is based off of six factors: Probability/Frequency, Healthcare Sector Impact, Healthcare Access Impact, Behavioral Health Impact, and Mitigation.

Capability and Planning

Hazard Group	Total Risk
Natural Hazards	48%
Technical and Accidental Hazards	44%
Adversarial and Human Caused Hazards	36%



Natural Hazards	Risk
Animal Disease Outbreak	37%
Drought	46%
Earthquake	36%
Extreme Cold/Freeze	66%
Extreme Heat	58%
Flood	59%
Human Pandemic Outbreak	47%
Severe Thunder Storms	54%
Winter Storms	54%
Sinkholes/Erosion	38%
Tornado	54%
Wild Fire	26%
Windstorm	47%

Adversarial and Human Caused Hazards	Risk
Anthrax	28%
Armed Assault	54%
Chemical Terrorism Attack	40%
Civil Unrest	29%
Cyber Attack	61%
Explosive Terrorism Attack	32%
Nuclear Terrorism Attack	33%
Plague	46%
Radiological Terrorism Attack	28%
Smallpox	28%
Tularemia	28%
Viral Hemorrhagic Fevers	29%

Technical and Accidental Hazards	Risk
Biological Food Contamination	44%
Chemical Substances Spill or Release	53%
Dam and Levee Failure	28%
Electrical and Gas Utility Disruption	37%
Radiological Substance Release	37%
Transport Incident	52%
Water and Wastewater Disruption	59%

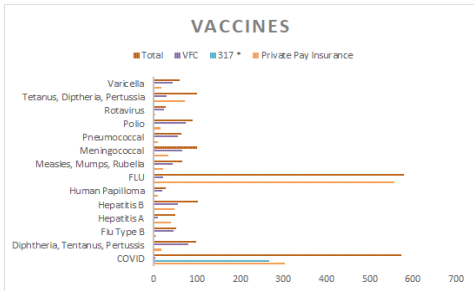
Immunization Program

ADULT IMMUNIZATIONS

Regardless of age, immunizations protect against serious and deadly diseases. Protection from vaccines received as a child can wear off over time, placing adults at risk for new and different diseases. Christian County Health Department provided multiple Flu Clinics throughout the community. We offer 317 funded COVID-19 vaccine, available to adults aged 19 and older who are uninsured or under insured.

CHILDHOOD IMMUNIZATIONS

Christian County Health Department offers Illinois' Vaccines for Children (VFC) and private pay vaccines for children. The VFC Program helps provide vaccines to children who are uninsured, under-insured, Medicaid eligible, or are American Indian or Alaskan Native. These programs help ensure all children have a better chance of getting their recommended vaccinations on schedule.



Vaccine Data

Vaccine	Private Pay Insurance	317 *	VFC		Total
COVID	303	267	3		573
Diphtheria, Tetanus, Pertussis	18		80		98
Flu Type B	6		46		52
Hepatitis A	40		9		49
Hepatitis B	48		55		103
Human Papilloma	9		19		28
FLU	557		22		579
Measles, Mumps, Rubella	22		44		66
Meningococcal	34		67		101
Pneumococcal	9		55		64
Polio	15		75		90
Rotavirus	3		24		27
Tetanus, Diphtheria, Pertussis	72		29		101
Varicella	17		44		61

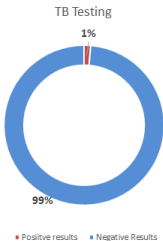
* IDPH provided vaccine for eligible children through 18 years of age

* IDPH provided COVID-19 vaccine for 18+

TB Clinic

Tuberculosis remains a current threat throughout the world. Despite being a preventable and curable disease, 1.5 millions people die from TB each year. The Tuberculosis Clinic reduces the incidences of this infectious disease in Christian County by providing screening, investigation, education, referral, and treatment of active and latent tuberculosis cases for Christian County residents. TB skin tests are available at the health department on Monday, Tuesday, Wednesday and Fridays with the exception of holidays. Our Infectious Disease Specialist, Dr. Graham oversees any positive cases.

2023 TB Test Data	
TB Tests Conducted	228
Posiitve results	3
Negative Results	225
Number of patients seen by Dr. Graham	4



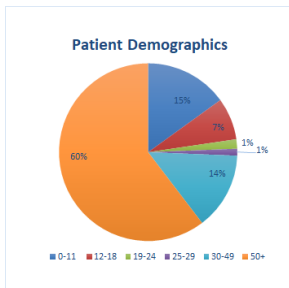
Optical Program

The Christian County Health Department restarted the Optical Program in August. This program provides low or no cost eyeglasses. Patients need to bring their prescription provided to them by their eye doctor. The patient is able to select from several choices after being fitted for a size that will work best for their prescription.

Glasses provided.....21

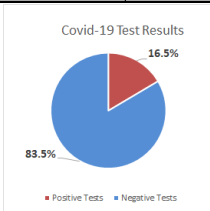
Patient Demographic

Age	Total
0-11	167
12-18	85
19-24	19
25-29	14
30-49	156
50+	671
Total in all	1112



Covid Testing

Tests Conducted	Positive Tests	Negative Tests	Positivity Rate
400	66	334	16.5%

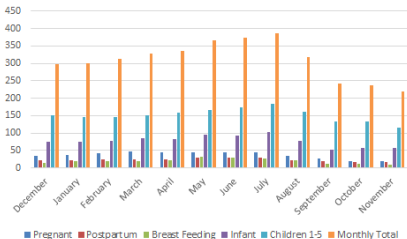


Women, Infants & Children

The WIC program aims to safeguard the health of low-income women, infants, and children up to age 5 who are at nutrition risk by providing nutritious foods to supplement diets, information on healthy eating, and referrals to health care.

WIC Enrollment Numbers

	December	January	February	March	April	May	June	July	August	September	October	November
Pregnant	36	38	43	47	45	46	44	44	34	26	19	19
Postpartum	21	23	25	25	25	29	29	31	23	19	16	18
Breast Feeding	15	19	19	20	23	32	31	27	21	11	12	9
Infant	75	74	78	86	84	95	94	102	78	52	57	57
Children 1-5	150	147	147	151	158	165	175	183	162	134	133	115
Monthly Total	297	301	312	329	335	367	373	387	318	242	237	218



WIC Appointments

Scheduled	Walk-Ins
1016	178

Social Media

Performance

*percentages are compared to previous year

Daily

Cumulative



Reach

56K ↑ 9.5%

Content interactions

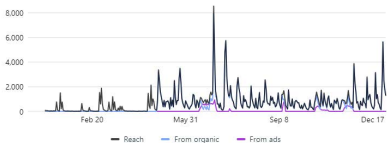
4.3K ↑ 365.6%

Followers

Lifetime
3.9K

Link clicks

622 ↓ 24.2%



Reach breakdown

Total

55,980 ↑ 9.5%

From organic

51,923 ↑ 100%

From ads

6,897 ↑ 20.2%

Post preview for "ATTENTION - For Immediate Release Taylorville, IL - Christian ...". The post includes a photo of a person and text about a release. It shows 176 reactions, 183 comments, and 246 shares.

Post preview for "Due to the severe storms yesterday many of our residents and ...". The post includes a photo of a storm scene and text about residents. It shows 82 reactions, 8 comments, and 18 shares.

Performance

Reach	Engagements	Negative interactions
Total: 13,167	Total: 176	Total: 0
Organic: 13,167 (100%)	Comments: 59	Unlikes: 0
Paid: 0 (0%)	Shares: 345	
View details		

Performance

Reach	Engagements	Negative interactions
Total: 13,495	Total: 82	Total: 0
Organic: 13,495 (100%)	Comments: 4	Unlikes: 0
Paid: 0 (0%)	Shares: 68	
View details		

Top reaching posts

Post preview for "Illinois' New Year's resolution starts with banning vaping in public places...". The post includes a photo of a person and text about a resolution. It shows 176 reactions, 23 comments, and 114 shares.

Performance

Reach	Engagements	Negative interactions
Total: 13,447	Total: 176	Total: 2
Organic: 13,447 (100%)	Comments: 23	Unlikes: 2
Paid: 0 (0%)	Shares: 114	
View details		