



Jefferson County Health Department will champion positive health outcomes and behaviors through innovative programs and community engagement.

**ENVIRONMENTAL SUMMARY OCTOBER 2022
REPORTED AT NOVEMBER BOARD MEETING**

PROGRAM/GRANT	DELIVERABLE	OUTCOME/IMPACT
<p>Vector Program</p> <p>--Vector/Mosquito Control: Jefferson County Missouri Code Chapter 260 Mosquito Control and Eradication</p>	<p>Protect the public health by controlling mosquitoes and other vectors that spread disease (i.e., Mosquitoes and ticks)</p>	<p>Mosquito Season Updates:</p> <ul style="list-style-type: none"> JCHD 2022 Adulticide Treatments Concluded on 10/13/22. Preventative adulticide treatment spraying: 37 targets treated. Those targets include subdivisions and largely populated geographical areas. 2 requests handled in October.
<p>--Animal Bite/Rabies Investigations Missouri Laws and Statues Chapter 322 Protection Against Rabies</p>	<p>322.140 Upon receipt of an incident report where an animal bites or otherwise possibly transmits rabies or any zoonotic disease, the department of health and senior services shall investigate the incident.</p> <p>Animal Bite Investigation: investigation after a known bite.</p> <p>Animal Testing: The receipt of a MDHSS Rabies Laboratory Result Reports. This can include an unsatisfactory, negative, or positive result.</p> <p>Confirmed Animal Rabies: This is a confirmed positive case from a MDHSS Rabies Laboratory Result Report.</p>	<p>Animal Bite Investigations: 17</p> <p>Animal Testing: 5</p> <p>Confirmed Animal Rabies: 0</p>



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<p>Food Service Activities</p> <ul style="list-style-type: none"> -Core Public Health Functions -Jefferson County Food Code -Food Sanitation Order -Jefferson County Food Service and Retail Food Service Sanitation Rules and Regulations 	<p>Safety of food is a combined effort provided by the state health department and local health departments. Complaints concerning food safety and regular food establishment inspections are handled by the local health department.</p>	<ul style="list-style-type: none"> -Routine Inspections: 145 -Re-inspections: 10 -Temporary Food Stand Inspections: 100 -Boil order advisory: 58 facilities contacted to discuss proper operating procedures. -3 facilities contacted for food recall regarding falafels.
<p>Lead</p> <ul style="list-style-type: none"> --EPA Lead Grant 	<p>Provide lead resources, education and connection to testing when needed. This is a collaboration between clinical, education and environmental programs.</p>	<ul style="list-style-type: none"> -In progress of compiling the first draft of the VICP for Jefferson County as outlined in the EPA Superfund Grant. -Working with Health Education Department on community readiness survey/interview.
<p>Lodging</p> <ul style="list-style-type: none"> -Lodging Rule, 19-CSR 20-3.050 	<p>DHSS: Inspections are conducted by local health agency or department staff. These inspections fall under lodging rule 19-CSR 20-3.050</p>	<ul style="list-style-type: none"> -Lodging complaints: 1 -Annual lodging inspection approvals: 0 -2 facilities have been turned over to the state for non-compliance.
<p>Childcare</p> <ul style="list-style-type: none"> -MODHSS/DESE 	<p>Both licensed and license-exempt facilities are required to have annual sanitation and health inspections.</p>	<ul style="list-style-type: none"> Routine Inspections: 4 Re-Inspections: 1
<p>Laboratory</p> <ul style="list-style-type: none"> --Missouri Department of Natural Resources Certification for Microbiological Laboratory Services of Public Drinking Water 	<p>Ensures public health for citizens and guests of the state/county by providing information regarding private water and public water supplies through water testing to homeowners and businesses</p>	<ul style="list-style-type: none"> Ice Samples: 27 -Satisfactory: 26 -Unsatisfactory: 1 Public Water Samples: 200 -Satisfactory: 199 -Unsatisfactory: 1 Private Water Samples: 19 -Satisfactory: 9 -Unsatisfactory: 8 -Unacceptable: 2



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**HEALTH NETWORK SERVICES SUMMARY October 2022
REPORTED AT November 2022 BOARD MEETING**

PROGRAM/GRANT	DELIVERABLE	OUTCOME/IMPACT
<p>Health Education</p> <ul style="list-style-type: none"> -Children’s Health Insurance Program (CHIP) -Maternal Child Health (MCH) Grant -Disparities Grant 	<p>MCH (Strengthen Individual Knowledge and Skills): By FFY 2026, increase in regular adolescent and family engagement in wellness habits through before/after school programs, family engagement programs, virtual programs, etc.</p>	<p>The Health Education team this month focused on furthering work with the stress and coping kits that were funded by the MCH grant. This is in conjunction with the stress reduction seminars that can be held for school staff or other community members as a continued effort to support healthy coping skills and improve mental health.</p> <p>Several members of this team took part in a conference held by Washington University - Health As A Human Right. This conference looked specifically at members of our communities that are facing health inequities and discussed an approach to ensuring our agency is providing healthcare equitably to our most vulnerable and highest need citizens.</p>
<p>Drug Prevention/Health Education</p> <ul style="list-style-type: none"> --Jefferson County Drug Prevention Coalition (JCDPC) --Overdose Data to Action (OD2A) Grant 	<p>Overdose Data to Action (OD2A) supports jurisdictions in utilizing data to inform substance use prevention and response efforts. This is funded through CDC and is comprised of 66 state, county and city health departments.</p>	<p>Teen Coalition – The Teen Coalition continued work on the Vaping Disposal Boxes and education campaign. The Prevention Specialist over the Teen Coalition presented to the county Food Safety Task Force to discuss possible partnerships of using placemats to educate about the effects of vaping in local restaurants.</p> <p>Prevention Specialists – A successful annual drug education conference was held this month for the community. Both specialists were in attendance for National Night Out in Byrnes Mill to promote drug awareness and prevention, targeting proper medication disposal and linkage to resources for those in active addiction.</p>

<p>Special Health Care Needs</p> <p>--Children & Youth</p> <p>--Adult Brain Injury</p>	<p>The CYSHCN Program provides assistance statewide for children and youth with special health care needs from birth to age 21. The program focuses on early identification and service coordination for children and youth who meet medical eligibility guidelines.</p> <p>The ABI Program assists Missouri residents, ages 21 to 65, who are living with a traumatic brain injury (TBI). Through service coordination, the program links participants to resources to enable each person to obtain goals of independent living, community participation and employment.</p>	<p>CYSHCN Monthly Report region 10 and 11 combined:</p> <p>SCAs completed: 9</p> <p>PA completed: 1</p> <p>Referrals: 79</p> <p>Eligible referrals: 18</p> <p>ABI Monthly Report Region G and F combined:</p> <p>SCAs completed: 4</p> <p>Referrals: 5</p> <p>Eligible referrals: 3</p>
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Members of the Health Education team, throughout the month, spent time working with many different community organizations and creating new partnerships. Relationships continue to be built with the city libraries throughout the county, including DeSoto Public Library. Library staff are facing an increase in the members of the community coming into their facilities in need of resources to address issues like housing insecurity and mental health needs. This is an area of focus for the Health Education team in November to establish more communication and understanding of their concerns and begin to work with community partners to offer support.

Our team also attended a Jefferson College Staff Employee Wellness Fair where staff were given information on our dietitian services, Wellness Walks, Stress Reduction Seminar, and other programs that are accessible to the staff and their students. A health fair was held at a new location, Pony Bird, to provide services for the staff working in a high stress environment that was run by the dietitian. The Health Education Supervisor and Prevention Specialist presented on JCHD services at the most recent 40-hour Crisis Intervention Team class for Jefferson County first responders. This is an ongoing partnership and JCHD will be presenting at all future 40-hour CIT classes.

JCDPC and the Prevention Specialists organized and ran the annual Jefferson County Drug Education Conference on 10/18. 48 people were in attendance for the event that was comprised of 4 presenters. The topics covered were the DEA's One Pill Can Kill and Drug Trends presentation, Medicated Assisted Treatment, Maternal Health and Substance Use, and Missouri Poison Control presenting on Cannabis.



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CLINICAL SERVICES SUMMARY OCTOBER 2022

PROGRAM/GRANT	DELIVERABLE	OUTCOME/IMPACT
<p>IMMUNIZATIONS</p> <p>Adult Immunization Contract Vaccines For Children (VFC) Health Disparities Contract</p>	<p>Increase vaccination capacity across the jurisdiction, including among high-risk and underserved populations</p>	<p>Back to school immunizations continued to be provided during the month of October. A total of 270 back to school immunizations were provided in the JCHD office setting during the month.</p> <p>JCHD provided community-based flu clinics in October through school systems, events, and organizations with a total of 842 doses provided in the community. JCHD also provided Flu vaccines through in-office appointments and provided 185 Flu vaccines in this manner.</p> <p>JCHD held 4 COVID-19 vaccine clinics in October that included a JCHD staff combined Flu and COVID-19 offering, 2 homebound clinics and an in-office clinic in Hillsboro.</p> <p>JCHD offered Monkey pox vaccines in October through office clinics and held 3 separate clinics throughout the month and provided a total of 13 doses.</p>
<p>FAMILY PLANNING</p> <p>Title X (MFHC) The Right Time Initiative (MFHC) ShowMe Healthy Women Wise Woman</p>	<p>Provide family planning services in accordance with the Title X program priorities.</p>	<p>Family Planning clinic saw 117 unduplicated clients in October.</p> <p>Annual training requirements have been completed and submitted to MFHC.</p> <p>The JCHD Title X Non-compete application is nearing completion. This is a large undertaking for Nursing staff to complete the application by November 15th.</p> <p>Family Planning staff are continuing to work on the closure of the High Ridge office completing documentation for MFHC and 340B.</p>



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PROGRAM/GRANT	DELIVERABLE	OUTCOME/IMPACT
		<p>MFHC is now implementing a Funding Formula which will now more closely match work plan goals that program staff work toward throughout each project year.</p> <p>Our Family Planning team continues to plan for updated data reporting requirements for Title X and TRT through the Missouri Family Health Council (MFHC). The updated data reporting (FPAR 2.0) will be implemented in January 2023.</p>
<p>LEAD EPA/MDHSS—Superfund Lead Children's Health Insurance Program (CHIP) & Health Services Initiatives (H.S.I.)</p>	<p>Provide health assessments, in-home and/or office interventions for children with a detection of lead in their blood</p>	<p>In October JCHD did a total of 20 lead screenings in Jefferson County.</p> <p>JCHD was awarded an extension to the Superfund Lead Health Education and Voluntary Institutional Controls Program that began 10/01/22. JCHD is still currently awaiting a new contract from MDHSS for this extension.</p>
<p>MOBILE WELLNESS Health Disparities Contract</p>	<p>Utilize the currently established mobile health center to provide community-based healthcare focusing on individuals who have challenges with transportation, health disparities, and vulnerable populations in Jefferson County.</p>	<p>The Mobile Wellness Van saw a total of 102 patients in October and visited a total of 8 locations during the month.</p> <p>The Wellness Van visited many of the routine monthly locations and spent a week at the Hillsboro School campus. The mobile staff performed well visits with Point-of-care testing on 40 of the Hillsboro School District employees. This service is provided to make it convenient for the school district staff and to help keep the cost of the health insurance down for the district. We offer education to each patient during the visit.</p>
<p>DENTAL Missouri DHSS Improving Oral Health Teledentistry Sealants</p>	<p>Develop, implement, educate, operate, provide services and report on a Teledentistry Sealant and Education Program in Jefferson County.</p>	<p>The dental program spent a large portion of the month of October providing services to the students at the Festus School system and Grandview School system. The mobile dental program saw 183 patients and performed 1,345 procedures during the month of October.</p>



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ASPEN BOARD REPORT
OCTOBER 2022 REPORT
 NOVEMBER 2022 BOARD MEETING

PROGRAM/GRANT	DELIVERABLE/FOUNDATION CAPABILITY	OUTCOME/IMPACT
<p>ASPEN: Community Resource Directory</p> <p>Missouri Foundational Public Health Services Model: -Linkage to medical, behavioral and community resources. -Community Partnership Development</p> <p>Jefferson Foundation Transformative Grant</p> <p>Missouri DHSS Health Disparities Grant</p>	<p>Public Health Capacity; Linkage to medical, behavioral and community resources:</p> <ul style="list-style-type: none"> Identify statewide, regional, and local medical and behavioral healthcare community partners and their capacities. Develop and implement a prioritized plan for increasing access to quality health care. Support community-based initiatives that increase access to quality medical and behavioral healthcare. Ability to create and maintain strategic, non-program specific relationships with key community partners. 	<p>October 2022 the ASPEN Coordinator and JCHD PIO began working on a communication plan to share information regarding the Community Public Facing ASPEN Resource Directory.</p> <p><u>Community Related Presentations:</u> November 9th, 2022, Missouri Coalition for Children</p>
<p>ASPEN: School Behavioral Health Portal</p> <p>Missouri Foundational Public Health Services Model: -Linkage to medical, behavioral and community resources.</p>	<p>Public Health Capacity; Linkage to medical, behavioral and community resources:</p> <ul style="list-style-type: none"> Provide timely, accurate, and locally relevant education to the community on the behavioral health care system. 	<p>In October of 2022 several school administrators worked closely with the ASPEN Coordinator and attorney's regarding ASPEN agreements for implementation. (Additional reports below)</p> <ul style="list-style-type: none"> Schools Waiting on School Board Approval for Agreement: As of 10/31/22 <ul style="list-style-type: none"> Dunklin Crystal City

<p>-Injury Prevention</p> <p>Jefferson Foundation Transformative Grant</p> <p>Missouri DHSS Health Disparities Grant</p>	<p>Injury Prevention:</p> <ul style="list-style-type: none"> Identify statewide, regional and local injury prevention community partners and their capacities Work with partners to implement evidence based and populations-based interventions that mitigate suicide risk. 	<ul style="list-style-type: none"> St. Louis MAP Farmington <p>ASPEN Coordinator is working with each of the participating schools to schedule a staff meeting, parent engagement opportunities and student communication. Each school is approaching communication to meet their individual school needs and demographics.</p> <p><u>Upcoming School Related Presentations:</u></p> <p>November 4th, 2022, the Missouri School Board Association Conference in Kansas City</p>
<p>ASPEN: First Responder and Health Care Worker Portals</p> <p>Missouri Foundational Public Health Services Model: -Linkage to medical, behavioral and community resources. -Injury Prevention</p> <p>Jefferson Foundation Transformative Grant</p> <p>Missouri DHSS Health Disparities Grant</p>	<p>Public Health Capacity; Linkage to medical, behavioral and community resources:</p> <ul style="list-style-type: none"> Identify statewide, regional and local medical and behavioral healthcare community partners and their capacities. Advocate and seek funding for policies and initiatives that increase access to quality medical and behavioral healthcare. 	<p>Departments in communication with ASPEN Coordinator and waiting for feedback and administration meetings.</p> <ul style="list-style-type: none"> Jefferson County Sherriff's Department North Jefferson Ambulance District Eureka Fire Protection District

ASPEN School Program Progress as of 10/31/22		
Signed Agreement	Progress	#Students to Date
Sunrise School	Agreement Signed 9/21/22: Staff an Parent Communication In-Progress	0
Jefferson R-VII	Agreement Signed 10/20/22	<u>13</u> Completed 7 Low Risk 3 Moderate Risk 3 High Risk

Grandview School	Agreement Signed 10/21/22: Staff and Parent Communication In-Progress	Parent Meeting Scheduled for November 17 th
De Soto #73	Agreement Signed 10/25/22: Staff and Parent Communication In-Progress	<u>2</u> Completed
Hillsboro R-III	Agreement Signed 10/31/22: Staff and Parent Communication In-Progress	<u>2</u> Completed <u>2</u> Low Risk

ASPEN First Responder Program Progress as of 10/31/22		
Department	Agreement Progress	Staff Progress
Hillsboro Fire Protection District	Agreement Signed 10/14/22	Staff Trainings Scheduled November
Saline Valley	Agreement In Review	Staff Demonstrations Scheduled November
Mapaville Fire Protection District	Agreement In Review, Waiting Board Approval	Staff Demonstrations Scheduled November
Goldman Fire Protection District	Agreement In Review	Staff Demonstrations Scheduled November
De Soto Rural Fire Protection District	Agreement In Review	Scheduling Staff Demonstrations

Development In-Progress as of 10/31/22	
Platform	Progress Update
24/7 Crisis Counselor Portal	Complete 10/31/22
Incident Response Portal	Design In-Progress
Spanish Translation	Waiting for bids and information from Translation agencies
Health Care-Worker Portal	Development In-Progress



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Communicable Disease Surveillance Summary Report Jefferson County, Missouri

October 2022

NOTES ON THE DATA:

- All data and information are conditional and may change as more reports are received.
- Case definitions are established by the Missouri Department of Health and Senior Services' (DHSS) Communicable Disease Investigation Reference Manual. The totals reflect the number of confirmed and probable cases reported; suspect cases are not included.
- Data is reported in epidemiologic weeks established by the CDC's Morbidity and Mortality Weekly Report (MMWR). The MMWR week starts on a Sunday and ends on Saturday. Values for MMWR week range from 1 to 53, although most years consist of 52 weeks. The 2022 MMWR calendar began on January 2, 2022.
- Case date may be based on the onset date, diagnosis date, specimen date, or test date.
- Excluded from this report are Sexually Transmitted Diseases, Influenza, and COVID-19.
- Jefferson County Health Department monitors all reportable disease cases year-round. Figures 1. and 2. include detailed views of diseases or conditions that may be of importance during the time of year this report is published. Variables such as outbreaks or the seasonality of communicable diseases may affect the number of cases per month and call for a more in-depth look. Seasonal change in the incidence of infectious diseases is common.

**Table 1. Number of Enteric Cases by Month,
Jefferson County, Missouri**

Disease or Condition	Five Previous Months					Year to Date Comparison		
	June	July	August	September	October	YTD 2022	YTD 5 Previous Year Mean	YTD Alert ¹
Campylobacteriosis	3	3	4	2	1	22	25	
Cryptosporidiosis	0	0	2	0	2	5	5	
Cyclosporiasis	0	2	0	0	0	2	3.2	
E. Coli O157:H7	0	1	1	0	0	2	0.8	
E. Coli Shiga Toxin +	0	0	0	0	0	0	0	
Giardiasis	0	0	0	0	1	1	1.8	
Hepatitis A Acute	0	0	0	0	0	0	4.2	
Listeriosis	0	0	1	0	0	1	0.6	
Salmonellosis	3	5	11	6	2	36	29	*
Shigellosis	0	0	0	0	0	0	1.2	
Yersiniosis	0	0	0	0	0	1	2.6	
Enteric Totals	6	11	19	8	6	70	73.4	

¹ Year- to- Date alerts represent an increase of at least one standard deviation for total cases in the current year compared to the same time period in the five previous years.

**Table 2. Number of Respiratory and Systemic Disease Cases by Month,
Jefferson County, Missouri**

Disease or Condition	Five Previous Months					Year to Date Comparison		
	June	July	August	September	October	YTD 2022	YTD 5 Previous Year Mean	YTD Alert
Coccidioidomycosis	0	0	0	0	0	0	0	
Haemophilus Influenzae, Invasive	0	0	2	1	0	6	4.2	*
Legionellosis	1	0	1	0	1	3	3.8	
Pertussis	0	0	0	0	0	0	15.2	
Staph Aureus, VISA	1	1	0	0	1	4	1.8	*
Streptococcus Pneumoniae, Invasive	0	0	0	0	0	9	22.6	
Streptococcal Toxic Shock Syndrome	0	0	0	0	0	1	0	
Varicella	1	0	0	0	0	3	2.2	
Respiratory and Systemic Totals	3	1	3	1	2	26	49.8	

**Table 3. Number of Vector-Borne Cases by Month,
Jefferson County, Missouri**

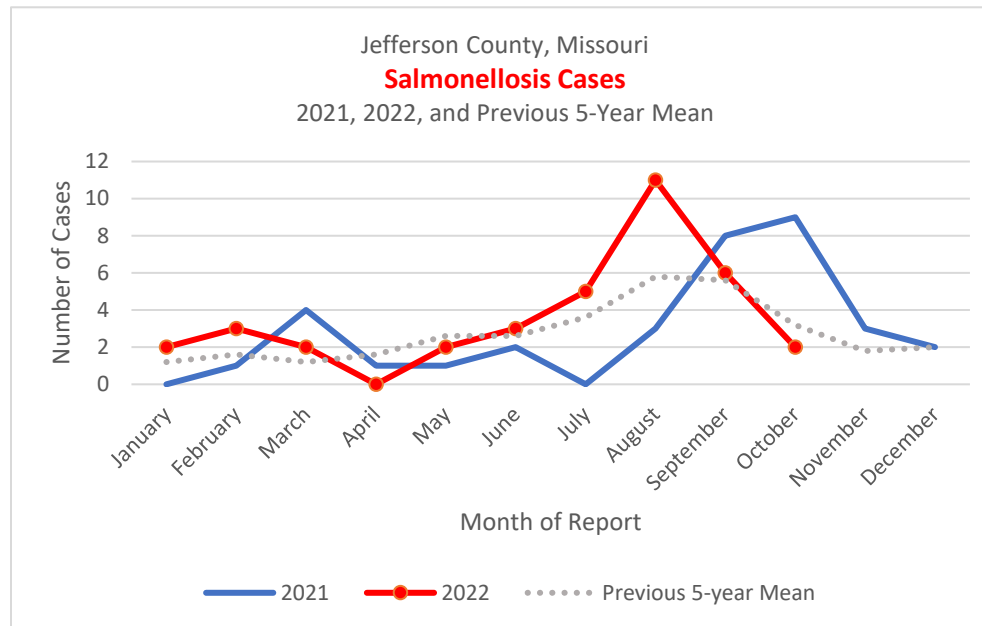
Disease or Condition	Five Previous Months					Year to Date Comparison		
	June	July	August	September	October	YTD 2022	YTD 5 Previous Year Mean	YTD Alert
Anaplasma Phagocytophilum	1	1	0	0	0	2	0	*
Babesiosis	1	0	0	0	0	1	0	
Ehrlichia Chaffeensis	9	7	5	2	0	26	20.4	*
Ehrlichia Ewingii	0	1	0	0	0	1	0.6	
Ehrlichiosis Anaplasmosis Undetermined	0	0	0	0	0	0	1.4	
Rocky Mountain Spotted Fever	2	2	3	1	2	10	12	
Tularemia	0	0	0	0	0	0	0	
Vector-Borne Totals	13	11	8	3	2	40	34.4	

**Table 4. Number of Other/Miscellaneous Cases by Month,
Jefferson County, Missouri**

Disease or Condition	Five Previous Months					Year to Date Comparison		
	June	July	August	September	October	YTD 2022	YTD 5 Previous Year Mean	YTD Alert
Animal Bites	6	10	4	21	19	136	104.4	*
Infant Botulism	0	0	0	0	0	0	0	
MOTT	2	2	1	3	1	13	21.6	
Rabies Animal	1	0	0	0	0	1	1	
Rabies Post Exposure Prophylaxis	2	0	0	0	0	9	8	
TB Disease	0	0	0	0	0	0	1.2	
TB Infection	6	8	6	4	2	43	30.4	*
Other/Miscellaneous Totals	17	20	11	28	22	202	166.6	

**Figure 1. Salmonellosis
Jefferson County, Missouri**

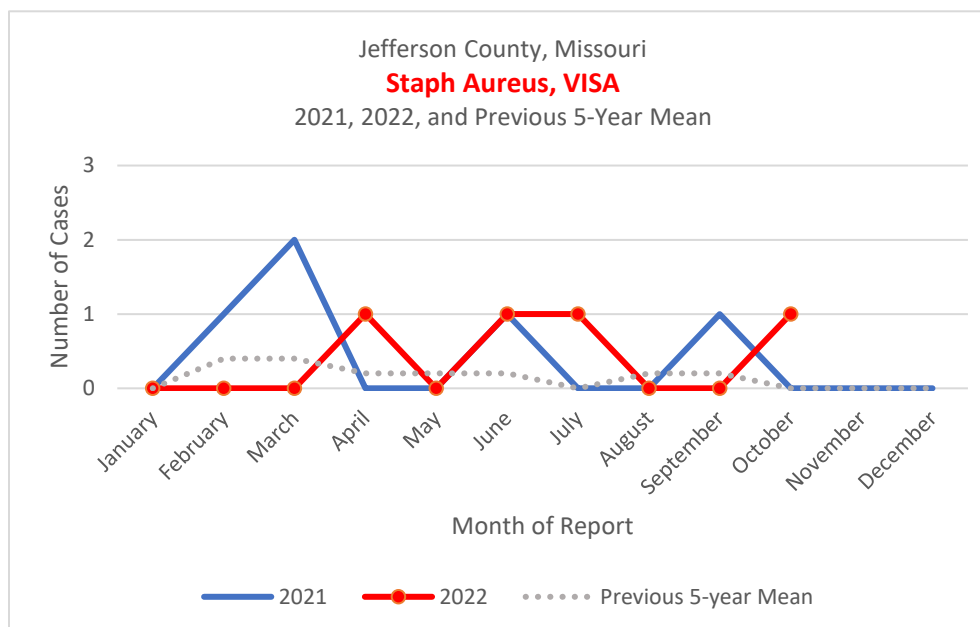
Salmonella are a gram-negative, rod-shaped bacteria which can cause illness in both animals and humans. Nontyphoidal salmonellosis (NTS) refers to illnesses caused by all serotypes of Salmonella (S.) except for S. Typhi, S. Paratyphi A, S. Paratyphi B, and S. Paratyphi C. There were 2 cases of Salmonellosis reported during October 2022 in Jefferson County. During the previous 5 years, the number of cases reported has ranged from 0 to 9 per month. According to the CDC, two outbreaks of Salmonella have been reported recently. An outbreak of Salmonella linked to pet bearded dragons was updated October 18, 2022 and includes cases that have been reported in 15 states. An outbreak of Salmonella linked to fish was updated October 25, 2022 and includes cases that have been reported in 3 states. So far, no cases linked to either of the two current outbreaks have been reported in Missouri. A recent outbreak of Salmonella linked to backyard poultry (updated November 10, 2022) has been closed. A year-to-date alert has been noted for Salmonellosis. Year-to-date alerts are present when the total cases in the current year are more than one standard deviation above the mean for the same time period in the previous five years.



**Figure 2. Staph Aureus, VISA
Jefferson County, Missouri**

Staphylococcus aureus (S. aureus), often referred to simply as “staph”, are bacteria that are commonly carried on the skin or in the nose of healthy people. Staph is one of the most common causes of skin infections in the United States. Most of the time, staph does not cause any harm. These infections can look like pimples, boils, or other skin conditions and most are able to be treated. However, staph can also cause serious infections such as blood stream infections, surgical wound infections, and pneumonia. They can produce a toxin, which can cause gastrointestinal symptoms when ingested. Staph bacteria classified as VISA (Vancomycin-intermediate *Staphylococcus aureus*) is a specific type of antimicrobial-resistant bacteria. Currently, both VISA and VRSA (Vancomycin-resistant *Staphylococcus aureus*) are reportable diseases/conditions in Missouri.

There was 1 case of Staph Aureus, VISA disease reported during October 2022 in Jefferson County. During the previous 5 years, the number of reported cases has ranged from 0 to 2 per month. A year-to-date alert has been noted for Staph Aureus, VISA. Year-to-date alerts are present when the total cases in the current year are more than one standard deviation above the mean for the same time period in the previous five years.



ADDITIONAL DATA SOURCES AND INFORMATION

Jefferson County Health Department's Covid-19 Data Dashboard

<https://www.jeffcohealth.org/covid19-data>

Jefferson County Health Department's Influenza Data Dashboard

<https://www.jeffcohealth.org/flu-season-info>

Missouri Department of Health and Senior Services, Communicable Disease Investigation Reference Manual:

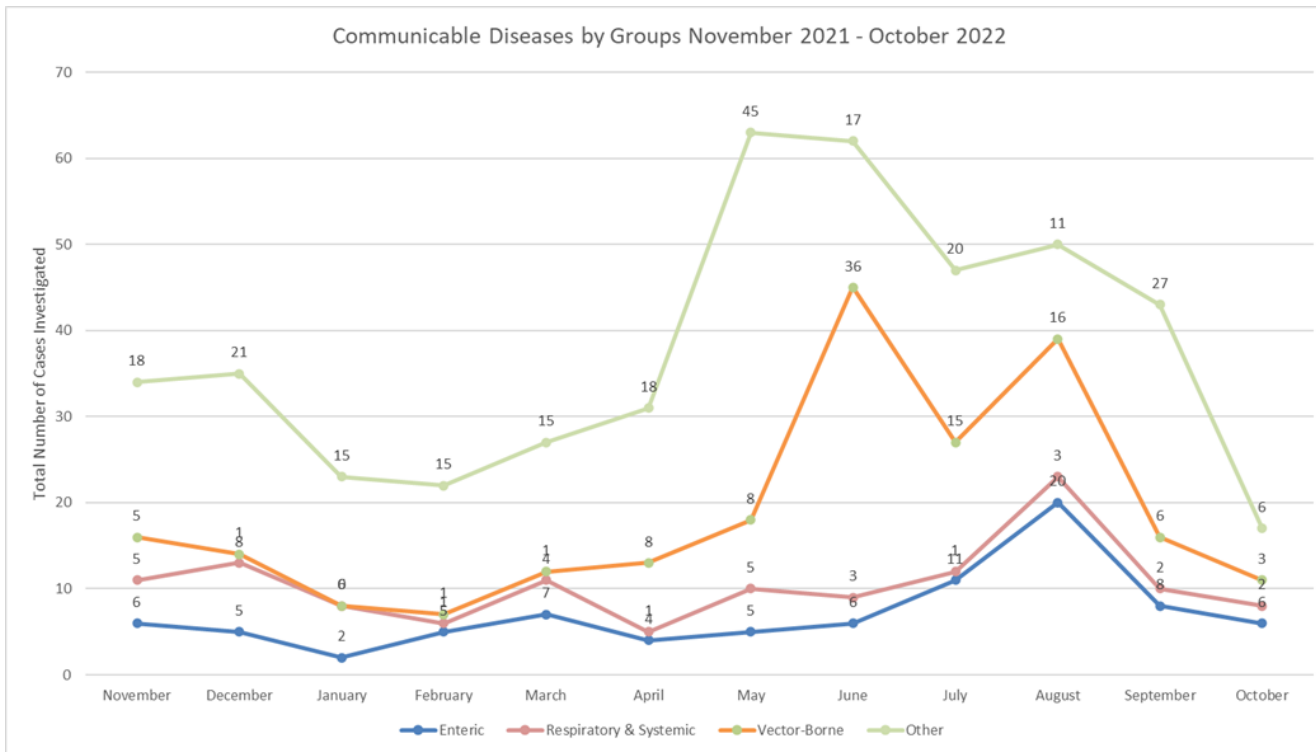
<https://health.mo.gov/living/healthcondiseases/communicable/communicabledisease/cdmanual/index.php>

NOVEMBER 30, 2022

PUBLIC HEALTH PREPAREDNESS

Monthly Newsletter of the JCHD PHP Team

OCTOBER 2022 COMMUNICABLE DISEASE SUMMARY OF ALL INVESTIGATIONS



Enteric:

- 1 Campylobacteriosis
- 2 Cryptosporidiosis
- 1 Giardiasis
- 2 Salmonellosis

Respiratory and Systemic:

- 1 Legionellosis - 1 Suspect/No Case
- 1 Staph Aureus, VISA

Vector-Borne:

- 3 Rocky Mountain Spotted Fever - 1 Suspect/No Case

Other:

- 2 Animal Bites
- 1 MOTT
- 3 TB Infection - 1 Suspect/No Case

Reportable Conditions Investigated: 17
Open LTBI Cases (not active disease): 11
(Not represented on the chart)

Monkeypox is not a listed condition in Websurv. It is being tracked in EpiTrax, along with COVID-19, which is not represented on this chart.

This chart represents the range of reportable conditions investigated by the team. Not all cases will meet the MDHSS case definition to be considered either "Confirmed" or "Probable." Many cases are considered "Suspect." One example of a suspect case would be a condition that a provider diagnoses and treats based on symptoms but did not collect a lab: such as Chickenpox. Some cases are considered "No Case" when investigated if they do not meet the case definition for the condition. All cases are fully investigated, and education is provided to the individual. When viewing the chart: add vertically the case counts above each month to provide you the total of all "Confirmed," "Probable," "Suspect," and "No Case." For example, October 2022 has 6+3+2+6=17 Conditions Investigated.

2022 MONKEYPOX UPDATES

CDC Outbreak Data Updated 11.17.22

MISSOURI

174

U.S. CASES

29,055

U.S. DEATHS

11

GLOBAL CASES

80,064

JEFFERSON COUNTY, MO

5

JCHD OUTBREAK DATA UPDATED 11.17.22

JCHD VACCINE ADMINISTERED

11-1ST DOSES

JCHD OUTBREAK DATA UPDATED 11.17.22

- Jefferson County is partnering with the St. Louis regional health departments to provide PEP and PEP++ (Post-Exposure Prophylaxis) to county residents.
 - To submit your request for post-exposure vaccination, please complete the JCHD survey at
 - <https://forms.office.com/r/uXv9u2WxjA>
 - The criteria to be considered for the PEP++ (Post-Exposure Prophylaxis **without** a **confirmed** positive exposure)
 - Gay, bisexual, a man who has sex with men, and transgender or nonbinary people who in the past 6 months have had...
 - A new diagnosis of one or more nationally reportable sexually transmitted diseases (i.e., acute HIV, chancroid, chlamydia, gonorrhea, or syphilis) and/or
 - More than one sex partner
 - People who have had any of the following in the past 6 months:
 - Sex at a commercial sex venue
 - Sex in association with a large public event in a geographic area where monkeypox transmission is occurring (this currently includes the St. Louis metro region)
 - Sexual partners of people with the above risks
 - People who anticipate experiencing the above risks
 - People who have known one of their sexual partners in the past 2 weeks have been diagnosed with monkeypox

COMMUNICABLE DISEASE SPOTLIGHT: EBOLA

Ebola Virus Disease (EVD) is a rare and deadly disease in people and nonhuman primates. Located mainly in sub-Saharan Africa.

Transmission

The virus spreads through direct contact (such as through broken skin or mucous membranes in the eyes, nose, or mouth) with:

- Blood or body fluids (urine, saliva, sweat, feces, vomit, breast milk, amniotic fluid, and semen) of a person who is sick with or has died from Ebola virus disease (EVD).
- Objects (such as clothes, bedding, needles, and medical equipment) contaminated with body fluids from a person who is sick with or has died from EVD.
- Infected fruit bats or nonhuman primates (such as apes and monkeys).
- Semen from a man who recovered from EVD (through oral, vaginal, or anal sex). The virus can remain in certain body fluids (including semen) of a patient who has recovered from EVD, even if they no longer have symptoms of severe illness. There is no evidence that Ebola can be spread through sex or other contact with vaginal fluids from a woman who has had Ebola.

Signs and Symptoms

Symptoms may appear anywhere from 2 to 21 days after contact with the virus, with an average of 8 to 10 days. The course of the illness typically progresses from “dry” symptoms initially (such as fever, aches and pains, and fatigue), and then progresses to “wet” symptoms (such as diarrhea and vomiting) as the person becomes sicker.

- Primary signs and symptoms of Ebola often include some or several of the following:
 - Fever
 - Aches and pains, such as severe headache and muscle and joint pain
 - Weakness and fatigue
 - Sore throat
 - Loss of appetite
 - Gastrointestinal symptoms including abdominal pain, diarrhea, and vomiting
 - Unexplained hemorrhaging, bleeding or bruising
- Other symptoms may include red eyes, skin rash, and hiccups (late-stage).

Travel Advisory Alert Level 2: Practice Enhanced Precautions

- Uganda-Sudan ebolavirus outbreak (October 4, 2022)

[EBOLA \(EBOLA VIRUS DISEASE\) | CDC](https://www.cdc.gov/eid/article/2022/10/2222091a.htm)

VACCINE

The FDA has approved the vaccine, ERVEBO, for prevention of EVD. The vaccine has been found safe and effective against Zaire ebolavirus.

TREATMENT

Therapeutics

- **2 FDA approved treatments**
 - **Inmazed-** combination of three monoclonal antibodies
 - **Ebanga-** a single monoclonal antibody
 - **Neither has been evaluated for species other than Zaire ebolavirus**
- **Supportive Care**
 - **Whether or not other treatments are available, basic interventions can significantly improve chances of survival when provided early. These are referred to as supportive care, and include:**
 - **Providing fluids and electrolytes (body salts) orally or through infusion into the vein (intravenously).**
 - **Using medication to support blood pressure, reduce vomiting and diarrhea, and to manage fever and pain.**
 - **Treating other infections, if they occur.**

SPECIES (STRAINS) OF EBOLA THAT HAVE CAUSED DISEASE IN PEOPLE

- **Ebola virus (species Zaire ebolavirus)**
- **Sudan virus (species Sudan ebolavirus)**
- **Taï Forest virus (species Taï Forest ebolavirus, formerly Côte d'Ivoire ebolavirus)**
- **Bundibugyo virus (species Bundibugyo ebolavirus)**

COMMUNICABLE DISEASE SPOTLIGHT: RSV

Respiratory Syncytial Virus Infection (RSV)

CDC surveillance has shown an increase in RSV detections and RSV-associated emergency department visits and hospitalizations in multiple U.S. regions, with some regions nearing seasonal peak levels. Clinicians and public health professionals should be aware of increases in respiratory viruses, including RSV.

Transmission

People infected with RSV are usually contagious for 3 to 8 days and may become contagious a day or two before they start showing signs of illness. However, some infants, and people with weakened immune systems, can continue to spread the virus even after they stop showing symptoms, for as long as 4 weeks.

RSV can spread when

- An infected person coughs or sneezes
- You get virus droplets from a cough or sneeze in your eyes, nose, or mouth
- You have direct contact with the virus, like kissing the face of a child with RSV
- You touch a surface with the virus, like a doorknob, and then touch your face before washing your hands.

Signs and Symptoms

People infected with RSV usually show symptoms within 4 to 6 days after getting infected. Symptoms of RSV infection usually include

- Runny nose
- Decrease in appetite
- Coughing
- Sneezing
- Fever
- Wheezing

These symptoms usually appear in stages and not all at once. In very young infants with RSV, the only symptoms may be irritability, decreased activity, and breathing difficulties.

Prevention

There are steps you can take to help prevent the spread of RSV. Specifically, if you have cold-like symptoms you should

- Cover your coughs and sneezes with a tissue or your upper shirt sleeve, not your hands
- Wash your hands often with soap and water for at least 20 seconds
- Avoid close contact, such as kissing, shaking hands, and sharing cups and eating utensils, with others
- Clean frequently touched surfaces such as doorknobs and mobile devices

[HTTPS://WWW.CDC.GOV/RSV/INDEX.HTML](https://www.cdc.gov/rsv/index.html)

CURRENTLY NO VACCINE TO PREVENT RSV

Researchers are working to develop RSV vaccines, but none are available yet. A drug called palivizumab (pah-lih-VIH-zu-mahb) is available to prevent severe RSV illness in certain infants and children who are at high risk for severe disease. This could include, for example, infants born prematurely or with congenital (present from birth) heart disease or chronic lung disease. The drug can help prevent serious RSV disease, but it cannot help cure or treat children already suffering from serious RSV disease, and it cannot prevent infection with RSV. If your child is at high risk for severe RSV disease, talk to your healthcare provider to see if palivizumab can be used as a preventive measure.

PFIZER'S RSV VACCINE TRIAL

- Vaccine efficacy of 81.8% was observed against severe medically attended lower respiratory tract illness due to RSV in infants from birth through the first 90 days of life with high efficacy of 69.4% demonstrated through the first six months of life
- The RSVpreF investigational vaccine was well-tolerated with no safety concerns for both vaccinated individuals and their newborns
- Results met one of the study protocol's pre-specified regulatory success criteria, and Pfizer plans to submit its first regulatory application by end of 2022
- If approved, Pfizer's RSV vaccine candidate could be the first maternal vaccine available to help prevent this common and potentially life-threatening respiratory illness in young infants

PUBLIC HEALTH EMERGENCY PREPAREDNESS AND RESPONSE CAPABILITIES

- 1: Community Preparedness
- 2: Community Recovery
- 3: Emergency Operations
Coordination
- 4: Emergency Public Information
and Warning
- 5: Fatality Management
- 6: Information Sharing
- 7: Mass Care
- 8: Medical Countermeasures
Dispensing and Administration
(Point of Dispensing-POD)
- 9: Medical Material Management
and Distribution
- 10: Medical Surge
- 11: Nonpharmaceutical
Interventions
- 12: Public Health Laboratory
Testing
- 13: Public Health Surveillance and
Epidemiological Investigation
- 14: Responder Safety Health
- 15: Volunteer Management

PHP TEAM UPDATES

- The team will continue with on-call scheduling for nights and weekends in preparation for travelers returning from Uganda to be monitored for Ebola exposures. MODHSS has set expectations of immediate response from us when notified of a new traveler arriving in our county.

CAPABILITY 11: NONPHARMACUTICAL INTERVENTIONS

NOVEMBER 2022 CAPABILITY FOCUS

Nonpharmaceutical interventions are actions that people and communities can take to help slow the spread of illness or reduce the adverse impact of public health emergencies. This capability focuses on communities, community partners, and stakeholders recommending and implementing nonpharmaceutical interventions in response to the needs of an incident, event, or threat. Nonpharmaceutical interventions may include.

- Function 1: Engage partners and identify factors that impact nonpharmaceutical interventions
- Function 2: Determine nonpharmaceutical interventions
- Function 3: Implement nonpharmaceutical interventions
- Function 4: Monitor nonpharmaceutical interventions

HEALTH ALERTS AND RECALLS

AS OF NOVEMBER 22, 2022

[HTTPS://WWW.CDC.GOV/OUTBREAKS/INDEX.HTML](https://www.cdc.gov/outbreaks/index.html)

- Update on Ebola Virus Disease (Sudan ebolavirus) Outbreak in Central Uganda (11.7.22)
- Increased Respiratory Virus Activity, Especially Among Children, Early in the 2022-2023 Fall and Winter (11.4.22)
- Increased Respiratory Syncytial Virus (RSV) Activity in Missouri (11.1.22)

ARTICLES OF INTEREST

St. Louis sees surge in childhood RSV hospitalizations | STLPR (stlpublicradio.org)

- <https://news.stlpublicradio.org/health-science-environment/2022-10-24/st-louis-doctors-say-hospitalizations-for-childhood-respiratory-virus-on-the-rise>

St. Louis moms participate in vaccine clinical trial to protect babies from RSV (kmov.com)

- <https://www.kmov.com/2022/05/19/st-louis-moms-participate-vaccine-clinical-trial-protect-babies-rsv/>

CDC Confirms Another Human Infection with Flu Virus from Pigs

- <https://www.pfizer.com/news/press-release/press-release-detail/pfizer-announces-positive-top-line-data-phase-3-global>

Summary of Possible Multistate Enteric (Intestinal) Disease Outbreaks in 2017–2020

- <https://www.cdc.gov/foodsafety/outbreaks/multistate-outbreaks/annual-summaries/annual-summaries-2017-2020.html>

EDUCATION AND TRAINING OPPORTUNITIES

CDC Foodborne Outbreaks

Timeline for Identifying and Reporting Cases in Foodborne Outbreaks | CDC

[https://www.cdc.gov/foodsafety/outbreaks/basics/reporting-timeline.html?](https://www.cdc.gov/foodsafety/outbreaks/basics/reporting-timeline.html)

[CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Ffoodsafety%2Foutbreaks%2Finvestigating-outbreaks%2Freporting-timeline.html](https://www.cdc.gov/foodsafety/outbreaks/investigating-outbreaks/reporting-timeline.html)

Prepared4All-Whole Community Emergency Response Planning Training

<https://nationalcenterdph.org/our-focus-areas/emergency-preparedness/prepared4all/online-training/>



Communications & Marketing

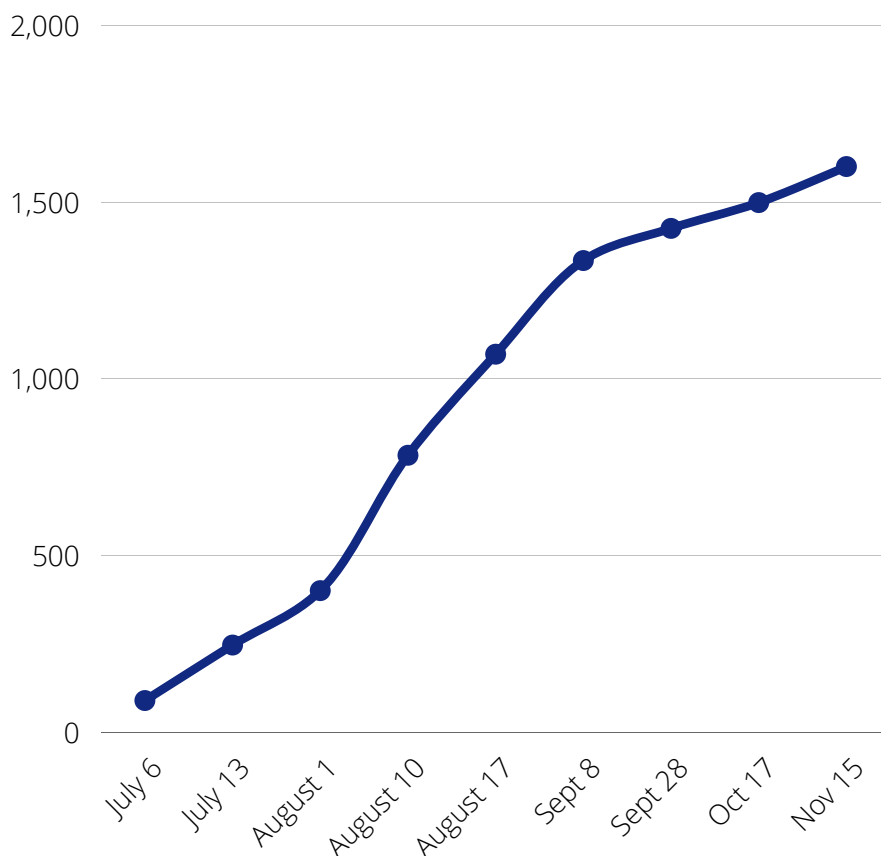
Monthly Report- November 2022

Analytics from October 2022

Updates

- Public Communications Officer spoke at the state Health Disparities Summit in Springfield about innovative communication strategies utilized in Jefferson County
- Monsido Website Accessibility tool has been launched and more analytics regarding compliance of website will be available in future reports
- Communications Liaison positions are anticipated to be filled by end of the year so we should have some bigger projects coming out of communications in 2023!
- Projects communications is currently working on:
 - COVID and Flu Season
 - RSV information
 - 2023 campaign planning
 - Annual Report planning

JCHD MOBILE APP DATA



**1,601
TOTAL
DOWNLOADS**

**65 TOTAL
MESSAGES
FROM APP**

Social Media Analytics

<p>Fans</p> <p>17K fans</p> <p>↗ 1 from 17K</p>	<p>Received PMs</p> <p>4 PMs</p> <p>↘ 9 from 13</p>	<p>Page engagement rate</p> <p>2.23% engagement rate</p> <p>↘ 1.28 from 3.51%</p>	<p>Post engagement rate</p> <p>2.12% engagement rate</p> <p>↘ 2.38 from 4.5%</p>
<p>Followers</p> <p>1.5K followers</p> <p>↘ 1 from 1.5K</p>	<p>Inbound messages</p> <p>11 messages</p> <p>↗ 1 from 10</p>	<p>Post engagement rate</p> <p>4.33% engagement rate</p> <p>↘ 0.89 from 5.21%</p>	<p>Post engagement</p> <p>80 engagements</p> <p>↗ 47 from 33</p>
<p>Followers</p> <p>1.7K followers</p> <p>↗ 3 from 1.7K</p>	<p>Inbound messages</p> <p>2 messages</p> <p>0 from 2</p>	<p>Post engagement rate</p> <p>2.65% engagement rate</p> <p>↘ 11.95 from 14.6%</p>	<p>Post engagements</p> <p>49 engagements</p> <p>↗ 3 from 46</p>

Trending by Views, Watch Time, & Shares

Views: **302.0**

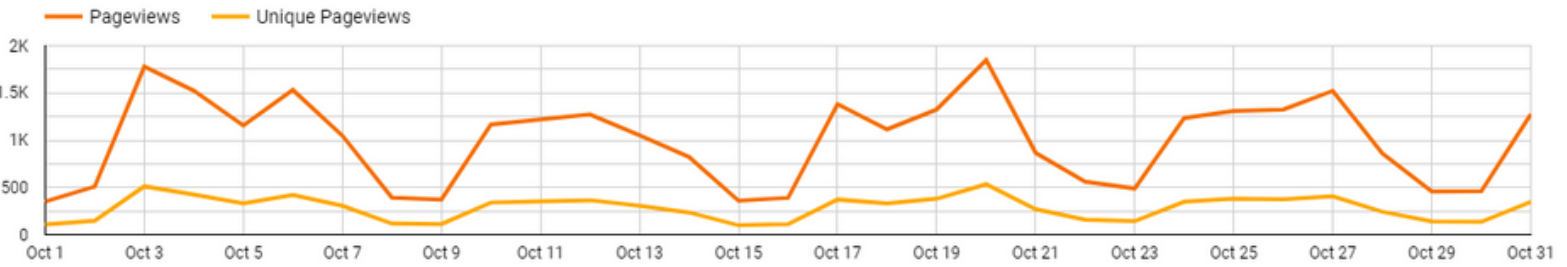
Avg Watch Time: **06:02**

Video Shares: **0.0**

Top Videos Watched

Title	Views	Average ...	Video Sha...
October JCHD Board		00:16:27	0
How to Wash Your Ha...		00:00:47	0
JCHD Tax Meeting 9/2...		00:12:53	0
JCHD Board Meeting		00:05:24	0
October JCHD Board		00:00:50	0
JCHD Meeting Part 2		00:00:41	0
JCHD Board Part 2		00:05:48	0
Jefferson County Well...		00:00:07	0
JeffCo Health Matters:...		00:01:47	0
March 2022 JCHD Boa...		00:10:12	0

Overview of your user behaviors



Pageviews
30,973

Unique Pageviews
8,847

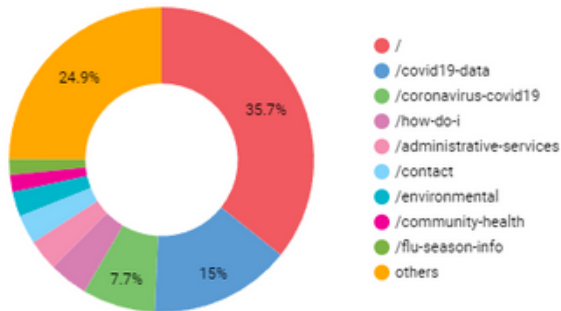
Avg. Time on Page
00:00:17



What do users see when they are in your website?

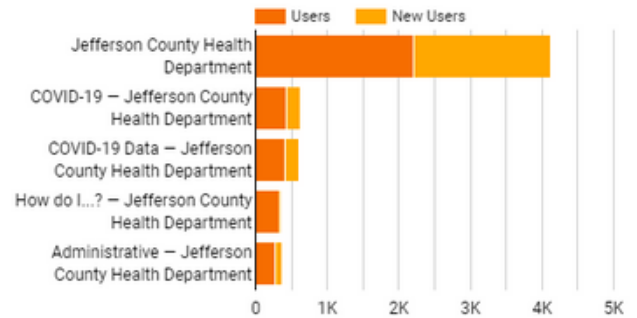
Which page is the most popular?

↑ ↓ 🗺️ A-Z ⋮



Page	Pageviews
1. /	11,065
2. /covid19-data	4,642
3. /coronavirus-covid19	2,392
4. /how-do-i	1,290
5. /administrative-services	1,022
6. /contact	947
7. /environmental	815
8. /community-health	561
9. /flu-season-info	513
10. /careers	481

Most popular pages with title breakdown



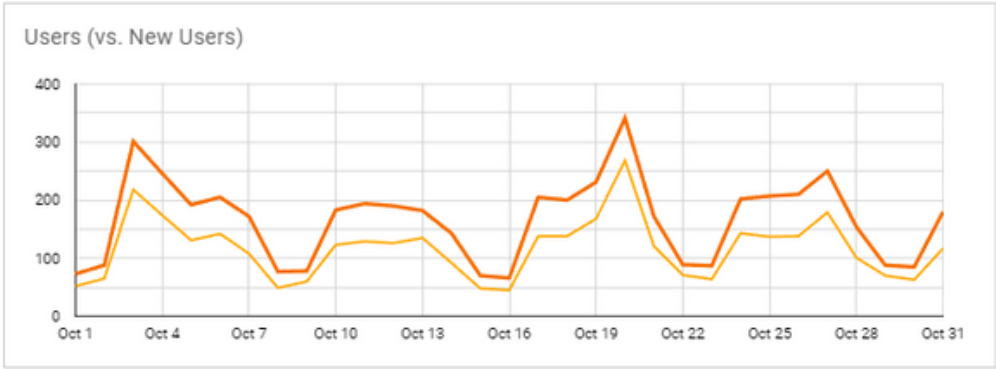
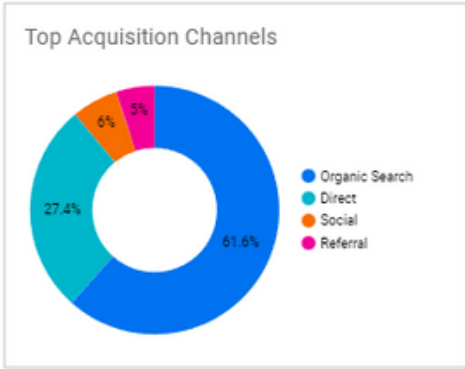
Page Title	Pageviews
1. Jefferson County Health Depart...	11,186
2. COVID-19 Data – Jefferson Cou...	4,789
3. COVID-19 – Jefferson County H...	2,392
4. How do I...? – Jefferson County ...	1,290
5. Administrative – Jefferson Cou...	1,037
6. Contact – Jefferson County Hea...	965
7. Environmental – Jefferson Coun...	821
8. Jefferson County, Missouri CDC ...	608
9. Health Education – Jefferson C...	561
10. Flu Season Info – Jefferson Cou...	513

Users
3,896

Sessions
5,839

Bounce Rate
1.71%

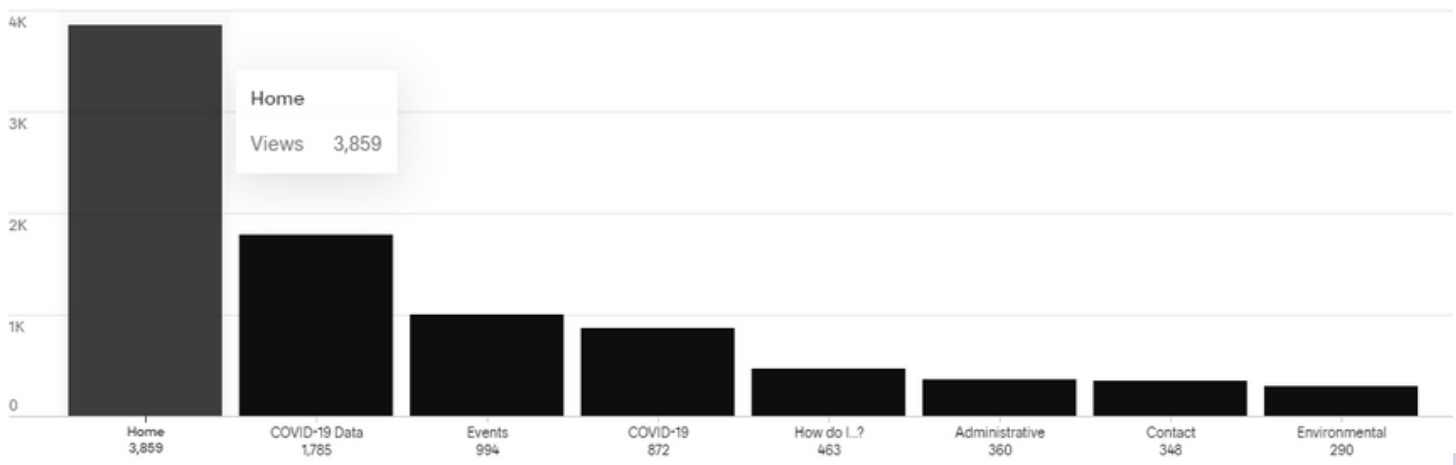
Avg. Time on Page
00:00:17



	Sessions 5.8K	Users 3.9K	New Users 3.6K	Bounce Rate 1.7%	Pages / Session 5.3	Avg. Session Duration 01:17
Source / Medium	Sessions	Users	New Users	Bounce Rate	Pages / Session	Avg Session Duration
google / organic	2,934	2,148	1,973	2.01%	5.61	00:01:29
(direct) / (none)	1,913	1,086	1,002	2.04%	4.74	00:00:57
bing / organic	275	206	187	0%	7.24	00:02:26
m.facebook.com / referral	184	135	126	0%	4.5	00:00:18
newsbreakapp.com / refe...	155	143	142	1.29%	3.09	00:00:14
yahoo / organic	101	60	53	0%	6.53	00:01:29
l.facebook.com / referral	75	34	23	0%	4.16	00:00:18
lm.facebook.com / referral	55	52	42	0%	3.16	00:00:19
t.co / referral	27	10	5	0%	7.22	00:03:40
duckduckgo / organic	27	22	20	0%	6.07	00:02:14

Top Pageviews ?

Oct 1-31, 2022 • 64% of 13,971 Pageviews +14% mo/mo



Google Business Profiles

Hillsboro Office: 1,030 Interactions

601

calls
+9%

9

messages
+350%

136

people asked for
directions
+2%

284

website visits from
profile
-1%

3,482

profile views
-4%

1,668

searches
-5%

9
Direct
Messages

Arnold: 1,311 Interactions

720

calls
+2%

4

messages
No change

241

people asked for
directions
-16%

346

website visits from
profile
-5%

5,024

profile views
-1%

2,820

searches
+1%

4
Direct
Messages

High Ridge Office: 290 Interactions

151

calls
-22%

0

messages
-100%

77

people asked for
directions
-19%

62

website visits from
profile
-34%

2,885

profile views
-3%

1,613

searches
-3%

0
Direct
Messages

Monsido: Website Accessibility

Quality Assurance



QA Issues

30

Affects 36 pages
and 0 documents

28 0 2

Accessibility



Failing accessibility checks

69

45 24

Search Engine Optimization (SEO)



SEO opportunities ?

1,584

104 1,027 453 0