

# JOHNSON COUNTY CENTRAL DISPATCH

—● [www.johnsoncounty911.org](http://www.johnsoncounty911.org) ●—

 @jocodispatch911

 @JOCOE911



# ABOUT

## Johnson County Central Dispatch

Johnson County Central Dispatch is the countywide emergency communications and dispatch center for all local fire services, law enforcement, and emergency medical services. Johnson County Central Dispatch provides these services to all the cities and unincorporated areas of Johnson County.

Johnson County Central Dispatch is a stand-alone agency and is solely funded by sales tax, and receives no financial support from agency user fees, or from federal, state, or local governments.

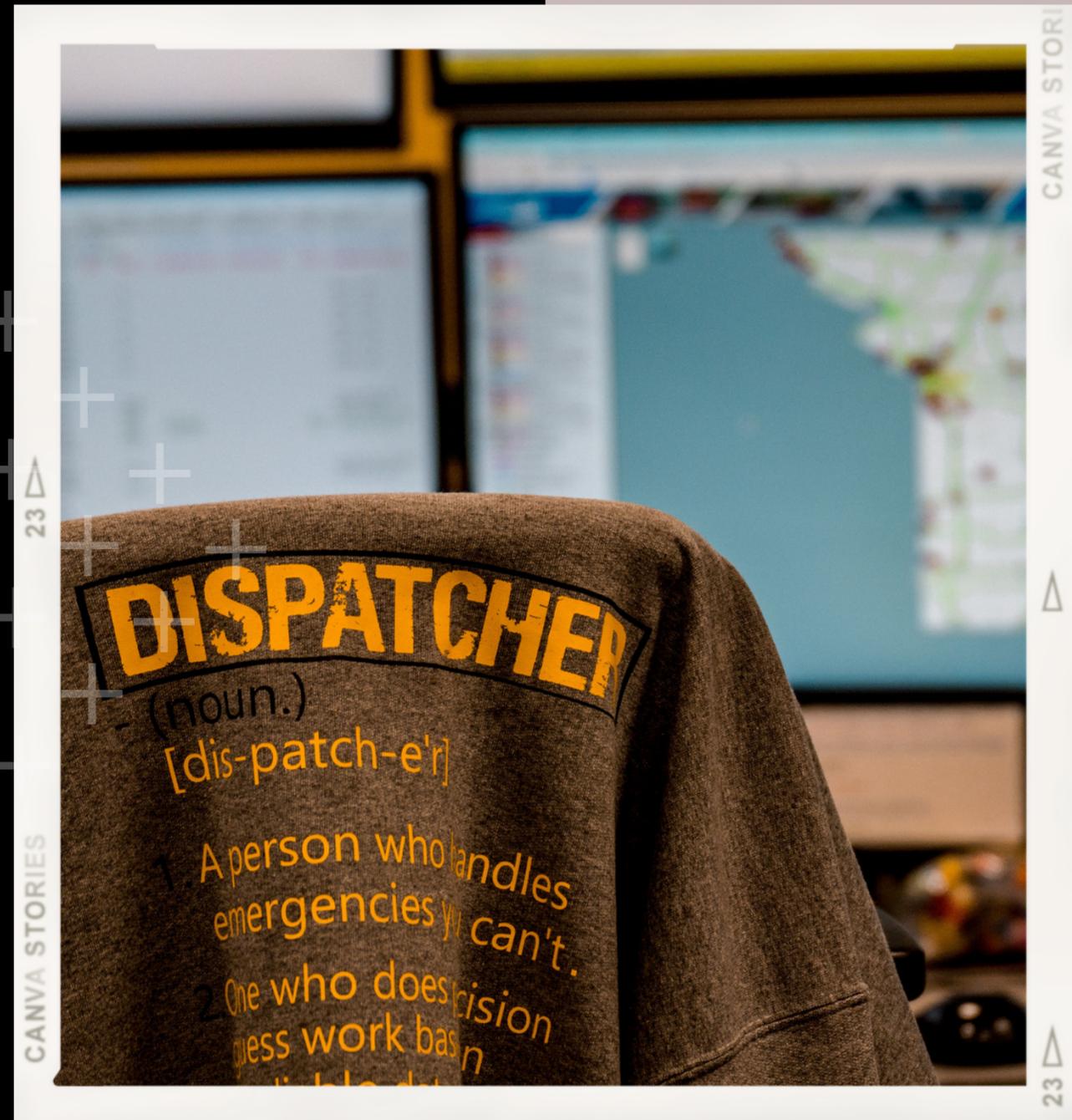




# VISION

Johnson County Central Dispatch E-911 strives to create and maintain a model 911 Center to achieve the highest level of public confidence through continuous improvement, exceptional levels of professionalism and dedication to public service.

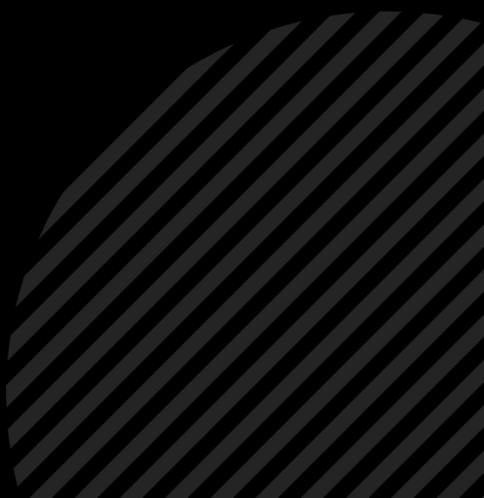
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# MISSION

Our mission is to provide the highest standard of service to all those who seek help. We are dedicated to respect, integrity, compassion, and leadership so that we may proudly serve others.



# OUR VALUES

- TRUST
- HONOR
- TEAMWORK
- RESPECT
- INTEGRITY



# AGENCY HISTORY

## Our Start

Johnson County Central Dispatch was located at the Johnson County Sheriff's Office and was under the direction of the Sheriff until December 2005. Afterwards JCCD became a separate county department and moved into the basement of the Justice Center.

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In November 2008 JCCD separated from Johnson County after voters passed a sales tax initiative (1/4 of 1 cent) creating the Johnson County Emergency Services Board.



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In November 2012 Voters passed an increase in sales tax (1/2 of 1 cent) to support the needed communications infrastructure and the new building.

## Present Day

The current VHF Analog Simulcast System is now a decade old and has routinely proven to provide inadequate and unreliable coverage to support safe operations in Johnson County.

# NEEDS ASSESSMENT

The Johnson County Emergency Services Board (JCESB), Johnson County Central Dispatch, and public safety leaders of police, fire, and EMS agencies in Johnson County have identified a need for a radio communication update, and hired a radio communications consultant.

1

## Coverage

There is inadequate coverage to support safe operations.

2

## Reliability

Transmissions have static, audio is muffled.

3

## Equipment

Equipment is breaking and not holding up.

4

## Interoperability

Users struggle to communicate.

5

## Training

Users find the current system difficult to use.

6

## Antiquated

The analog radio system has dated technology.

A report of the consultants findings were presented to the JCESB, JCCD, and representatives of the following agencies:

Johnson County Sheriff  
Warrensburg Police Department  
Warrensburg Fire Department  
Holden Police Department  
Holden Fire Department  
Holden Street Department  
Johnson County Ambulance District  
Knob Noster Police Department  
Knob Noster Fire Department  
Johnson County Fire  
Johnson County Fire District #2  
University of Central Missouri

# CURRENT COVERAGE

Current VHF System

Mobile Coverage - 91.5%

Public Safety Standard for Coverage is 95%.

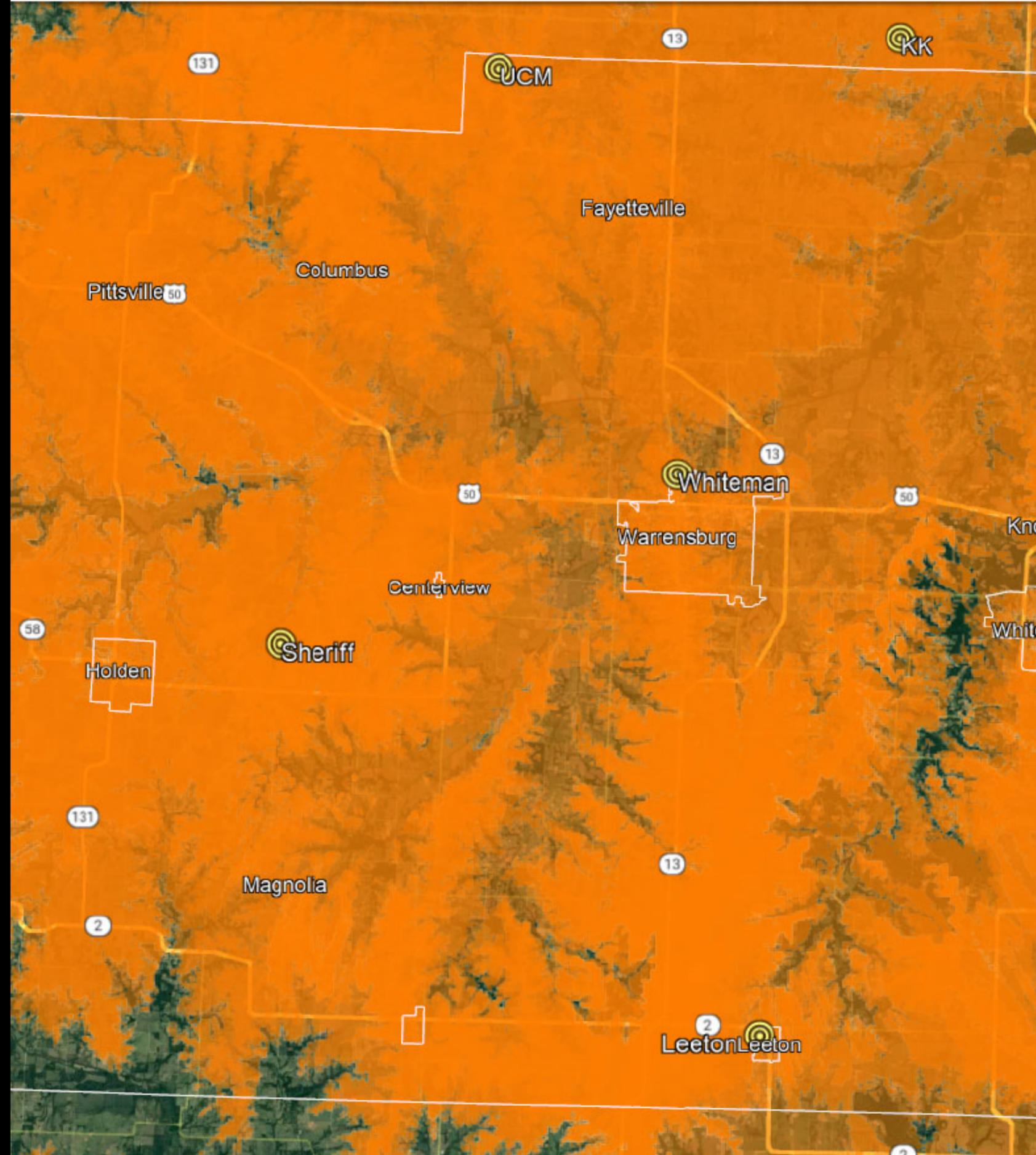


# CURRENT COVERAGE

Current VHF

Portable on Street Coverage -  
83.2%

Public Safety Standard for Coverage is 95%.



# CURRENT COVERAGE

This map shows the coverage of the Johnson County emergency communication radio services.

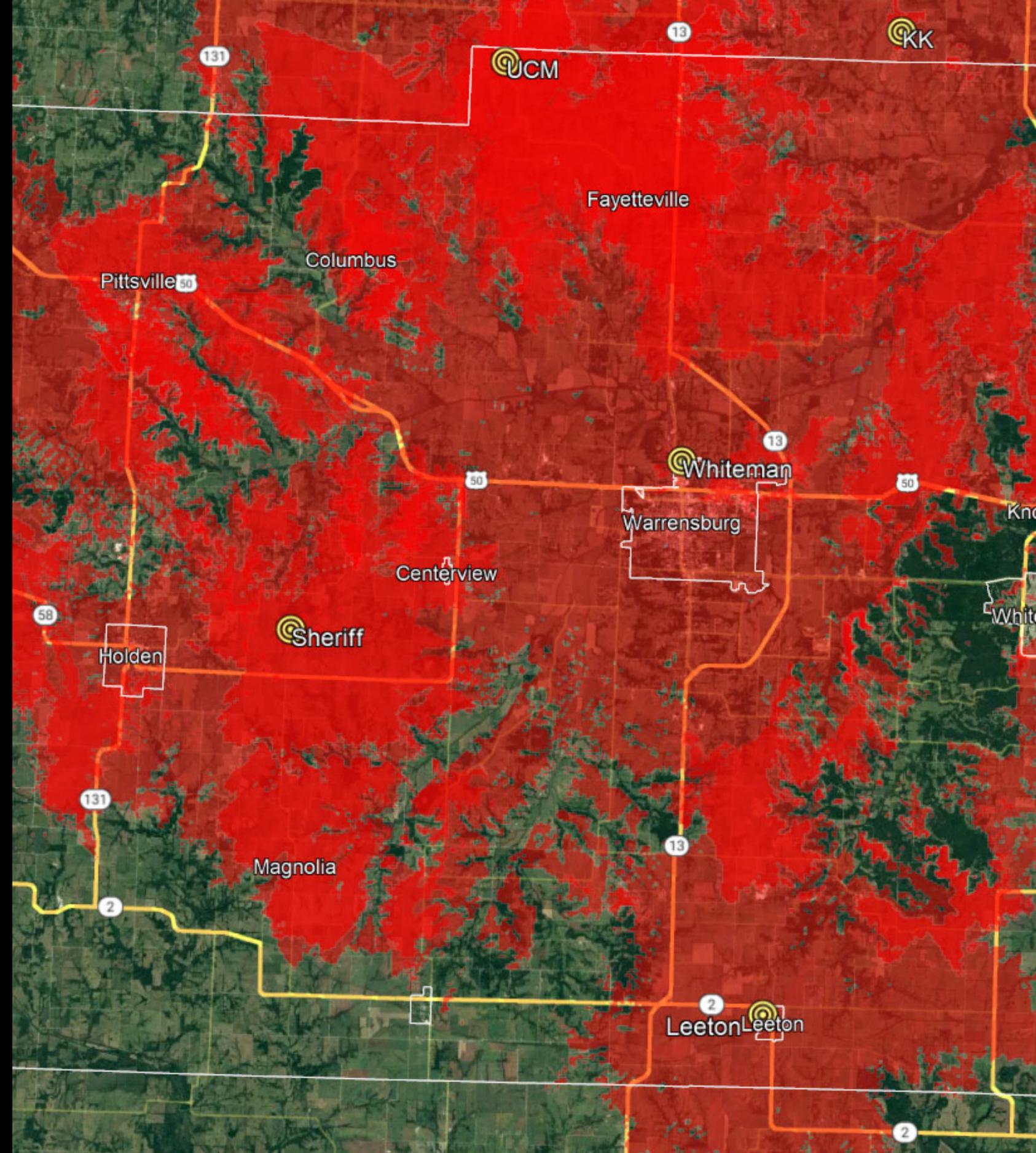
## Current VHF System

-Portable on-street building coverage - 74.4%

The red implies a sub-standard level of communication. Significant portions of Johnson County have no radio coverage, including north of Pittsville, north and south of Holden, north and west of Leeton, and east and south of Knob Noster.

This means that no one would hear the radio traffic, including responder-to-responder traffic.

**Public Safety Standard for Coverage is 95%.**



# NEEDS ASSESSMENT SOLUTIONS

**800 MHz P25 Trunking Stand-Alone.**

**800 MHz P25 Trunking Join MARRS.**

**800 MHz P25 Trunking Join MOSWIN.**

**800 Mhz**

**Project 25 Compliant**

**Trunked Radio System**

**3-4 Additional Towers**

**Talk Groups**

**Encrypted channels**

**Multi-band radios**

## **Opt 1 - 800 Mhz P25 Stand-alone**

Better Frequency Planning by FCC

BDA are less expensive and easier to use.

Large group of interoperability channels

Equipment in towers generally takes up less space.

Mutual aid abilities with MARRS

Ease of encryption for privacy concerns

## **Opt 2 - 800 Mhz P25 Trunking (MARRS)**

Better Frequency Planning by FCC

BDA are less expensive and easier to use.

Large group of interoperability channels

Equipment in towers generally takes up less space.

Higher mutual aid abilities

Ease of encryption for privacy concerns

Lower cost due to hardware sharing

## **Opt 3 - 800 Mhz P25 Trunking (MOSWIN)**

Better Frequency Planning by FCC

BDA are less expensive and easier to use.

Large group of interoperability channels

Equipment in towers generally takes up less space.

Higher mutual aid abilities

Ease of encryption for privacy concerns

Lower cost due to hardware sharing

# COVERAGE SUMMARY WITH UPGRADE

Mobile Coverage



99% out of 95%

Portable (Street)



96% out of 95%

# Sales Tax Revenue To Date

Month	2018	2019	2020	2021	2022
January	\$171,295.11	\$226,056.87	\$233,948.10	\$196,288.61	\$259,333.42
February	\$206,410.87	\$206,876.83	\$214,588.87	\$272,783.14	\$280,825.18
March	\$285,266.06	\$228,494.49	\$247,122.85	\$217,852.11	\$273,202.06
April	\$229,458.01	\$217,756.71	\$200,326.48	\$249,392.93	\$225,056.06
May	\$182,523.32	\$191,936.66	\$263,930.86	\$312,203.17	\$317,992.57
June	\$226,675.58	\$256,293.46	\$279,182.85	\$276,735.71	\$262,486.70
July	\$283,754.75	\$241,178.38	\$267,880.24	\$230,724.88	
August	\$203,268.75	\$228,995.19	\$291,648.68	\$322,888.90	
September	\$275,796.47	\$276,517.75	\$244,859.20	\$282,869.48	
October	\$193,167.58	\$216,864.69	\$212,663.50	\$232,740.71	
November	\$185,493.44	\$222,217.69	\$269,795.65	\$309,293.36	
December	\$227,056.87	\$223,886.40	\$250,825.21	\$247,873.52	
Extra tax deposit	\$0.00	\$5,160.24	\$1,520.04	\$0.00	
Total Deposits	\$2,670,166.81	\$2,742,235.36	\$2,978,292.53	\$3,151,646.52	\$1,618,895.99

# Sales Tax Proposition



Johnson County Emergency Services Board is asking for a sales tax increase to support our citizens and public safety partners by building, sustaining, and improving a comprehensive and hardened emergency communications system in Johnson County.



The existing tax is one half (1/2) of one (1) percent. If approved, the tax will increase to one (1) percent. If the sales tax proposition is approved, JCCD will start to collect the revenue in January 2023, which will bring in roughly \$6,300.00 each year.



The revenue collected will fund immediate and long term capital improvements to meet the needs of our public safety community. Immediate needs include a multi-million-dollar radio communications project to improve the existing infrastructure to support critical public safety radio communications.



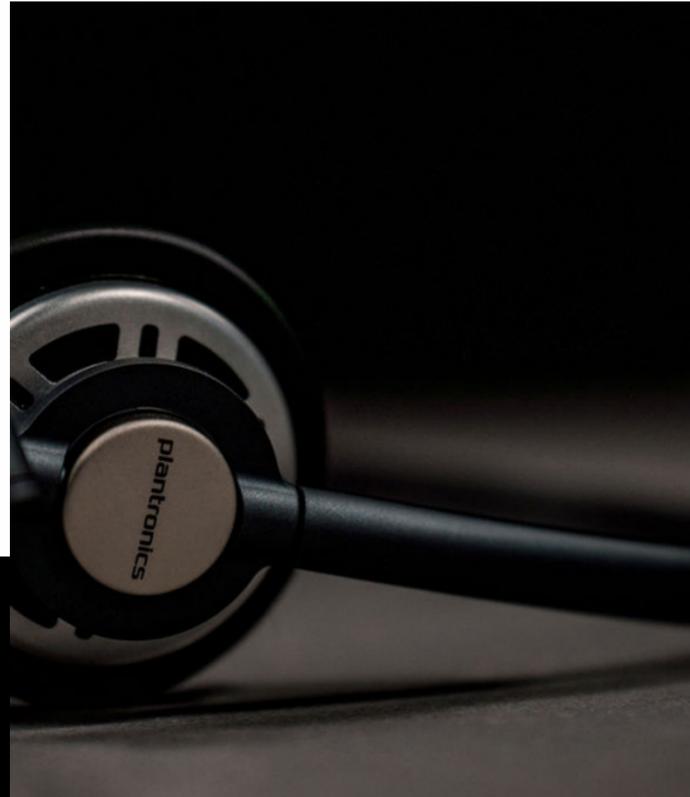
This immediate project includes purchasing equipment for radio towers, building multiple new radio towers, improving the infrastructure, replacing the center's base stations, antennas, and purchase of portable and mobile radios used by of ems, fire and police agencies in Johnson County.

# SALES TAX PROPOSITION



## How much tax is generated from 1%?

The approval of the sales tax proposition would mean for every \$100.00 spent, \$1.00 would be generated and will go back to 911. The tax proposition also means that Johnson county residents alone are not solely responsible for funding a service available to and used by visitors to the area. Anyone purchasing products in Johnson County will contribute to the infrastructure and delivery of these vital services.



## Why is a sales tax needed?

The sales tax proposition funding will go back into the operations of the 911 center, provide the construction of an updated and modernized radio communications infrastructure to allow better radio communication capabilities to the police, fire, and ems agencies in Johnson County, as well as future capital improvements for equipment and infrastructure as it becomes obsolete or is mandated to be modified.



## What if the sales tax does not pass?

If the sales tax proposition does not pass, current equipment and radio communications capabilities will not be able to be sufficiently improved. Emergency response personnel will continue to operate with diminished and dangerous communication failures. Calls for service made to 911 will still be answered without delay; however, the existing radio communications deficiencies may lead to response delays and emergency responder safety issues.

# 911 STATISTICS

2021-2022



## 2021 TOTAL INCOMING CALLS

119,011 INCOMING CALLS



## 2021 TOTAL 911 CALLS

17,149 911 CALLS



## 2021 TOTAL DISPATCHED CALLS

81,930 DISPATCHED CALLS IN JOHNSON COUNTY

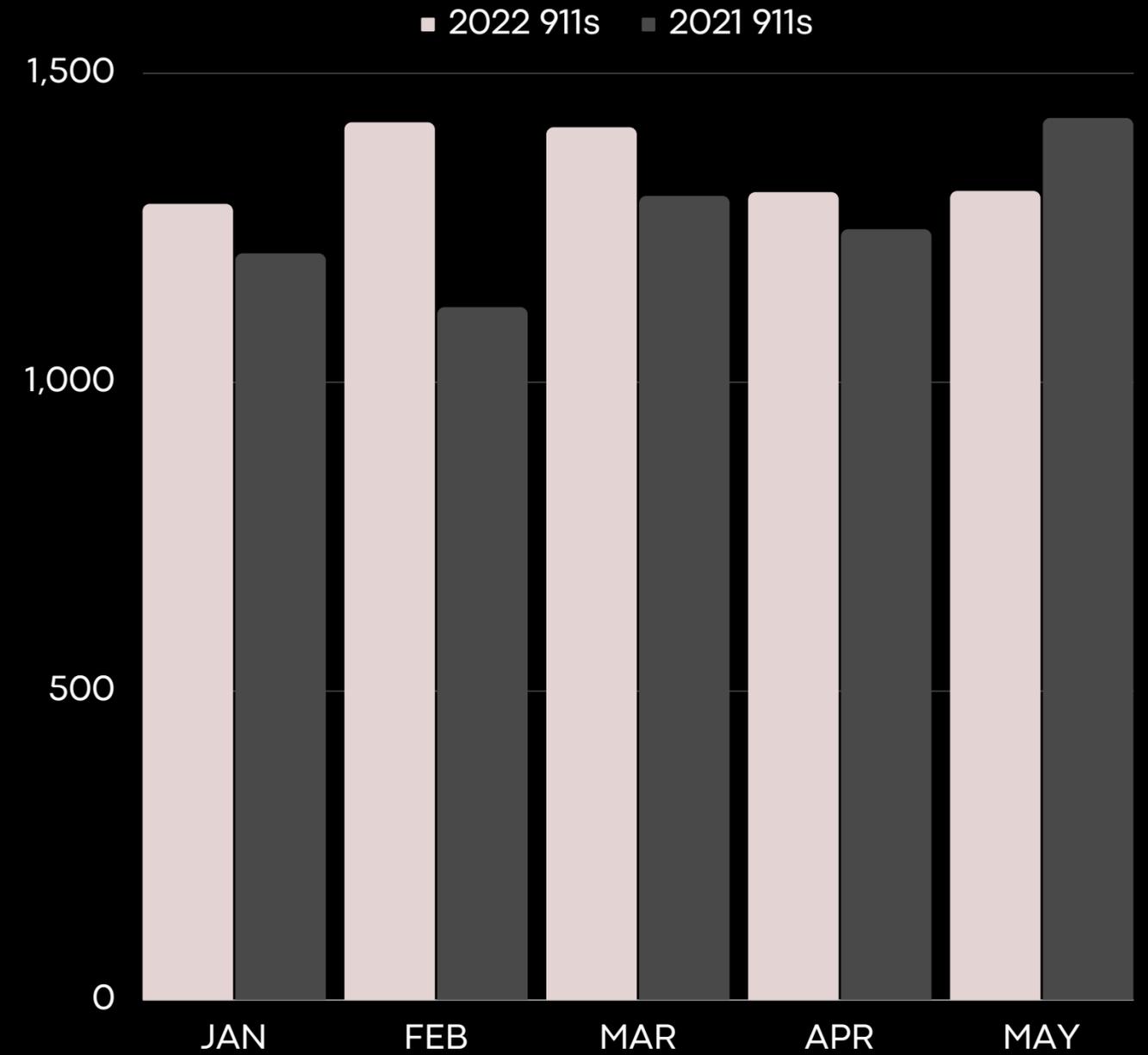


## 2022 TOTALS UP TO MAY

27,866 INCOMING CALLS

6,736 911 CALLS

34,084 DISPATCHED CALLS



# AGENCIES WE SERVE

Johnson County Sheriff's Department - Warrensburg Police Department - Knob Noster Police Department - Holden Police Department - Leeton Police Department - Chilhowee Police Department - Kingsville Police Department - Johnson County Ambulance District - Johnson County Fire Protection District - Johnson County Fire Protection District #2 - Knob Noster Fire Department - Warrensburg Fire Department



POLICE



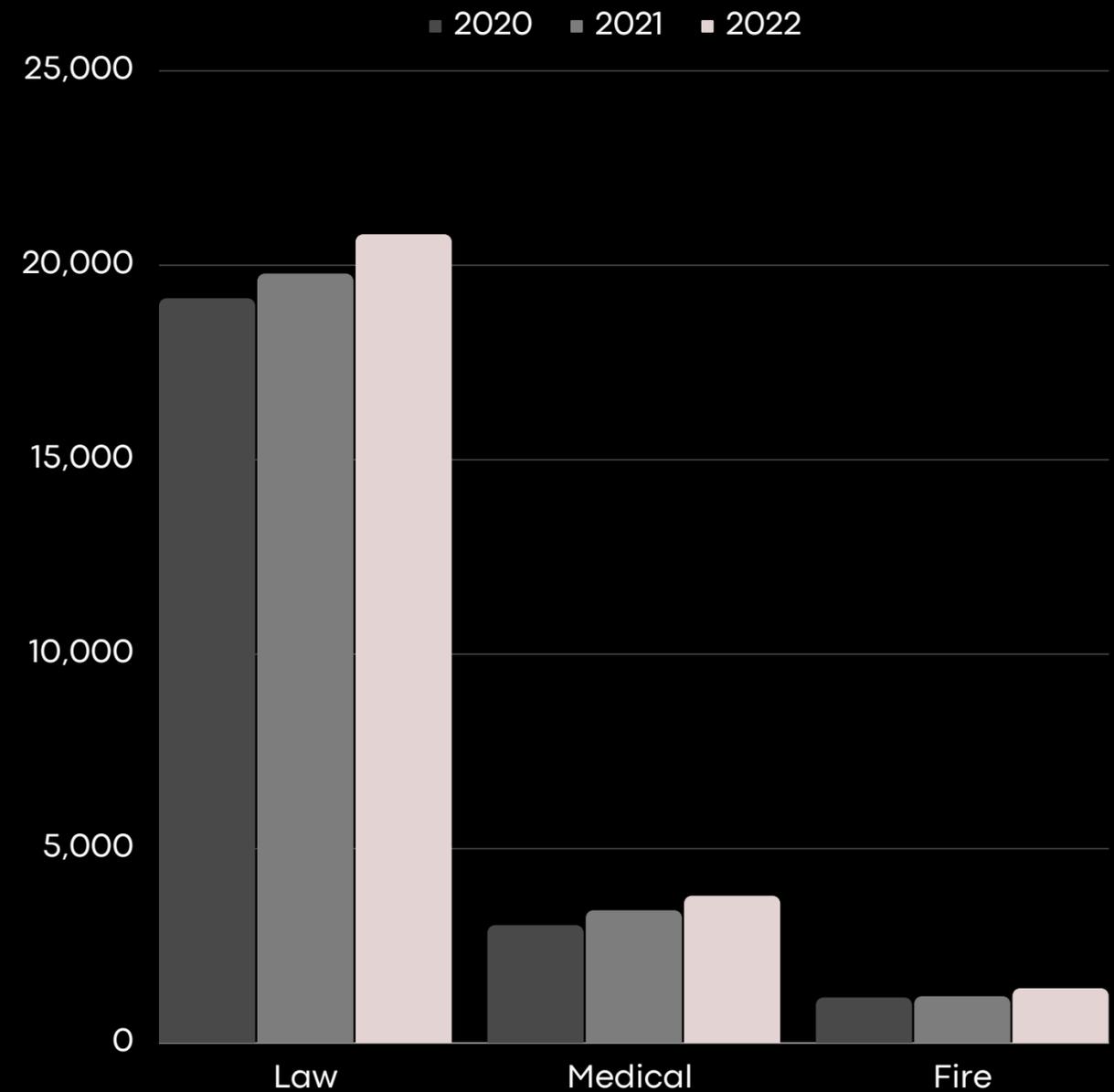
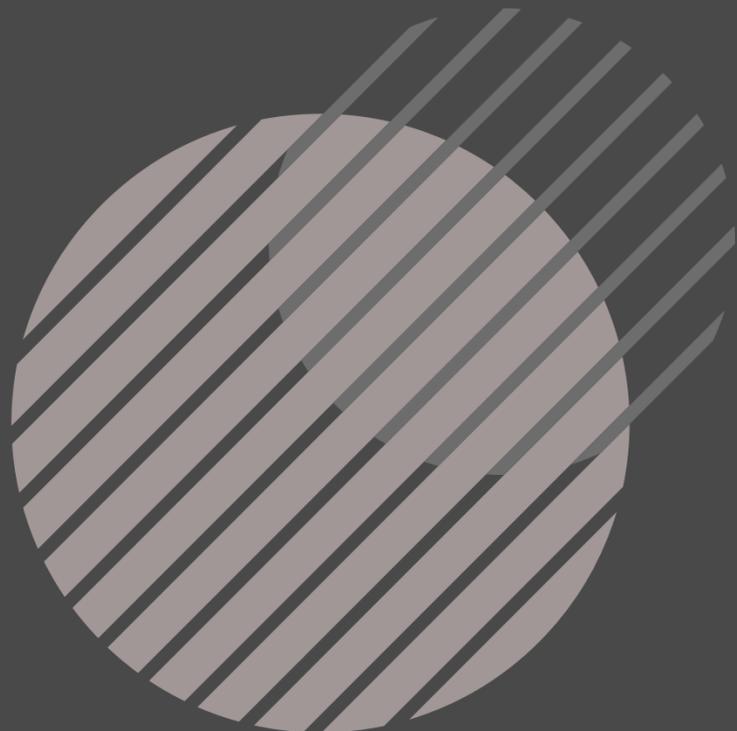
FIRE



EMS

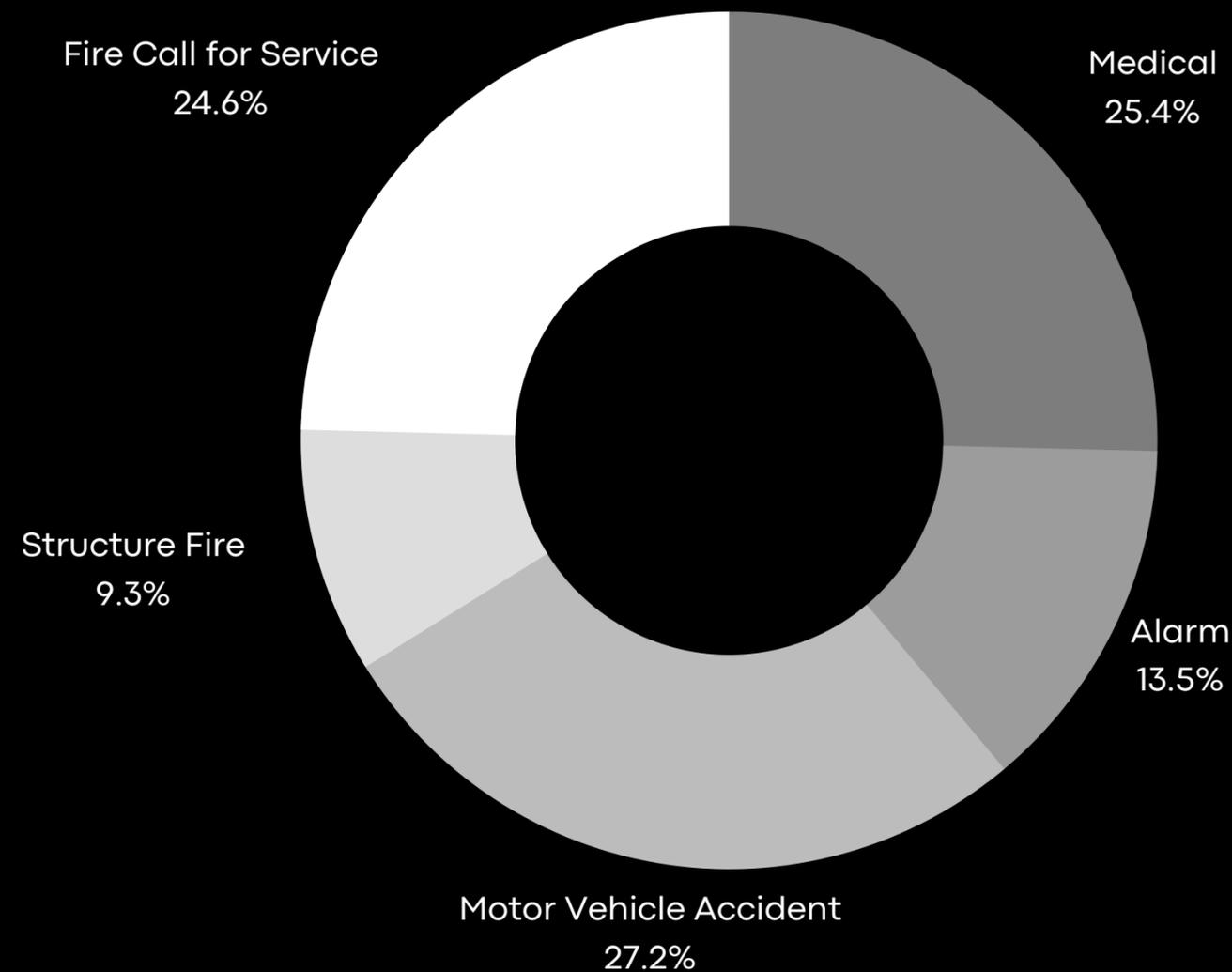
# CALL NUMBERS

- This chart shows how our call numbers have increased over 3 years. All data collected was from January to May.



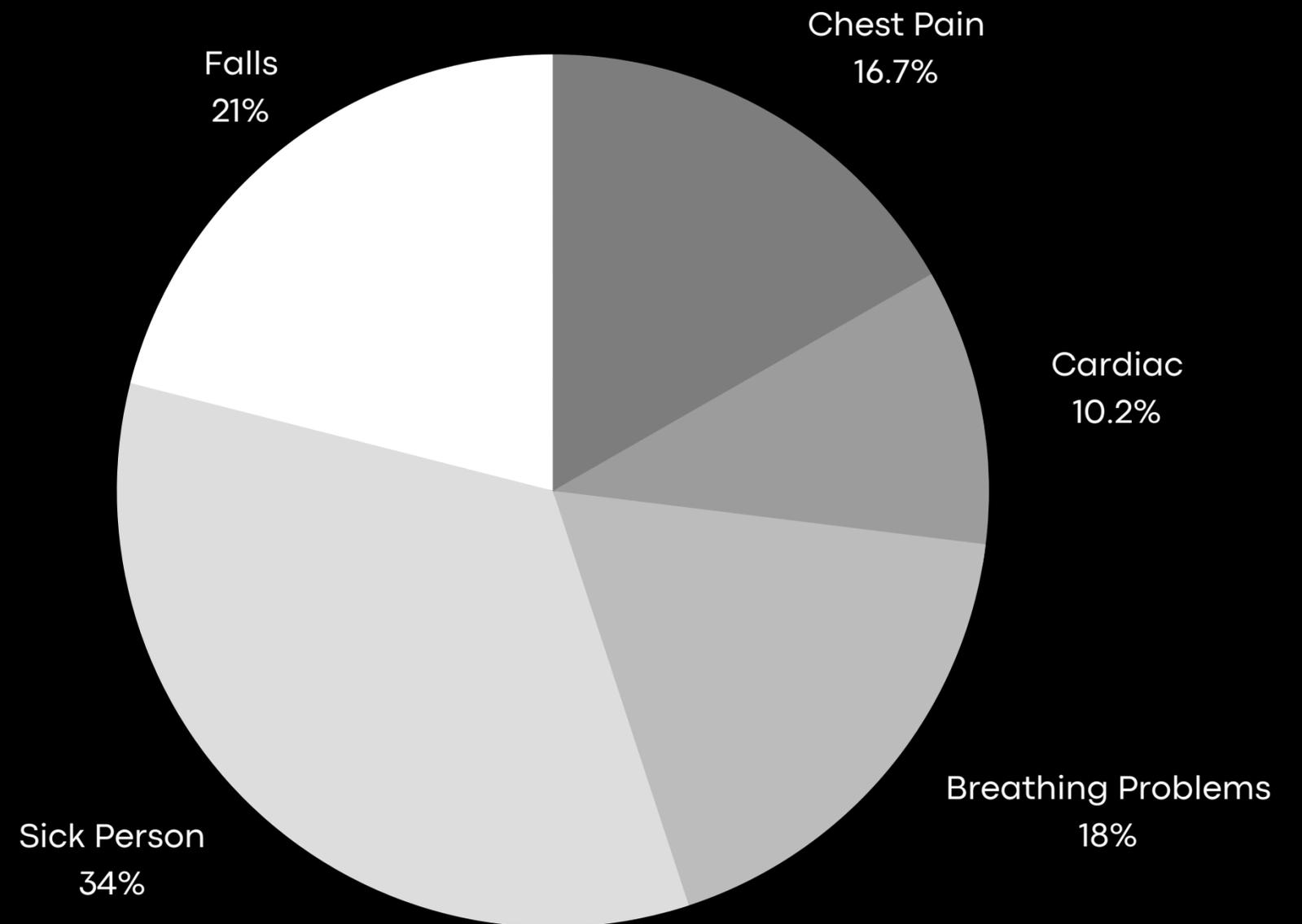
# MOST FREQUENT FIRE NATURES

- Motor Vehicle Accidents - 309
- Medical First Response calls - 288
- Fire Call for Service - 279
- Alarm calls - 153
- Possible/Confirmed Structure Fires - 105



# MOST FREQUENT EMS NATURES

- Chest Pain Calls - 237
- Cardiac calls - 145
- Breathing Problems calls - 255
- Sick Person calls - 482
- Falls Calls - 298



# JCCD E-911

315 Hawthorne Blvd  
Warrensburg, MO 64093

Administrative Office

(660) 747-6317

Communications

**Emergency**

9-1-1

**Non-Emergency**

(660) 747-2265

(660) 747-5511



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**Thank You**  
**For your support**

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