



CITY COUNCIL Study Session

September 23, 2024

6:00 PM, Council Chambers - 111 E. Maple Ave.

To view a Council meeting agenda, visit <https://independencemo.portal.civicclerk.com/> and select 'Most Recent Council Agenda'.

PRESENTATIONS

1. Community Health Assessment
2. AMI (IPL)

INFORMATION ONLY

1. Boards and Commissions Report
2. **Please Note:** *In accordance with RSMo. 610.021, the City Council may convene in an Executive Session during or after the meeting, in the Council Chambers and move to Conference Room D for the closed meeting, on matters of litigation, legal action, and/or attorney client communications, as permitted by Sec. 610.021(1), on matters of personnel, as permitted by Sec. 610.021(3) and personnel records, as permitted by 610.021(13), on matters of contracts, as permitted by 610.021(12), on matters of real estate, as permitted by 610.021(2) and/or matters of labor negotiations, as permitted by 610.021(9).*



2024 Community Health Assessment

★A GREAT AMERICAN STORY★

Community Health Assessment Goals

1
Gain a better understanding of the health issues of Independence residents

2
Collect key public health data on issues that are affecting our community and provide support for grant applications

3
Evaluate services provided by the Department and determine additional needs

Identified Issues

Top 5 Public Concerns

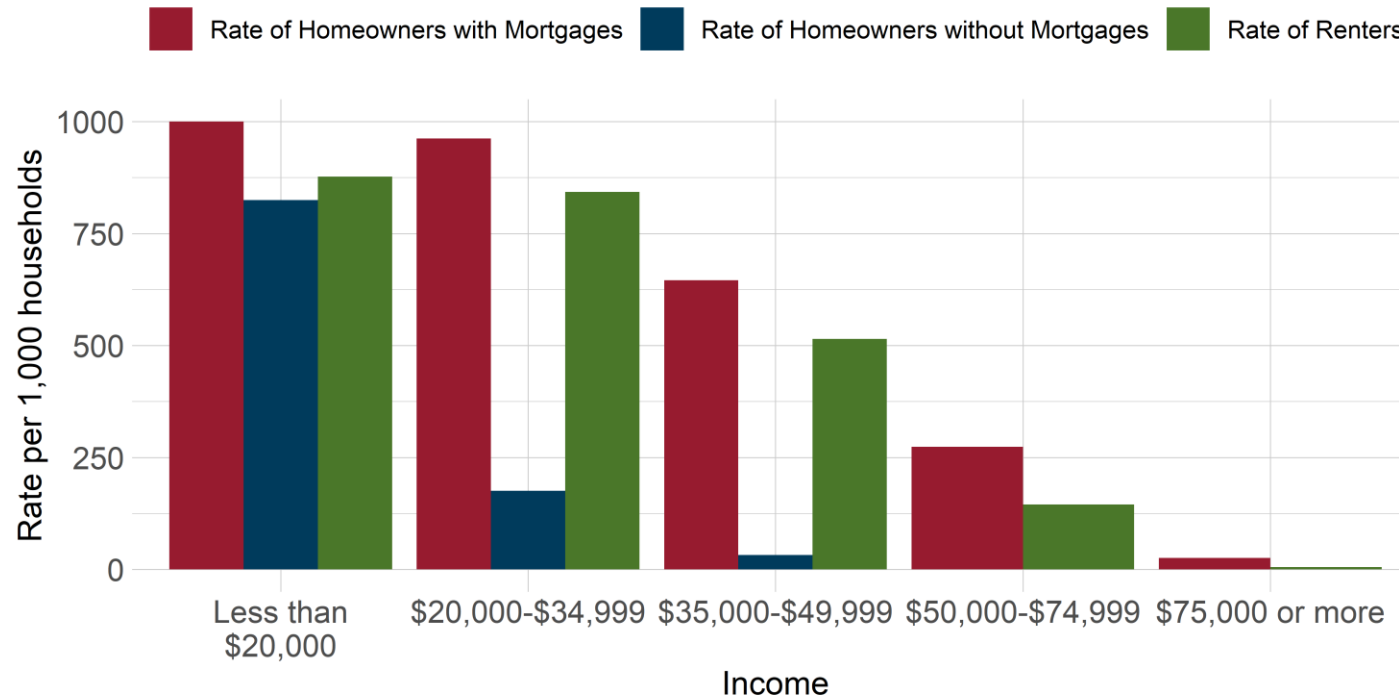
- Affordable Housing
- Mental Health
- Houselessness
- Affordable Health Care
- Firearms & Gun Violence

Additional Areas of Concern

- Poverty

Affordable Housing

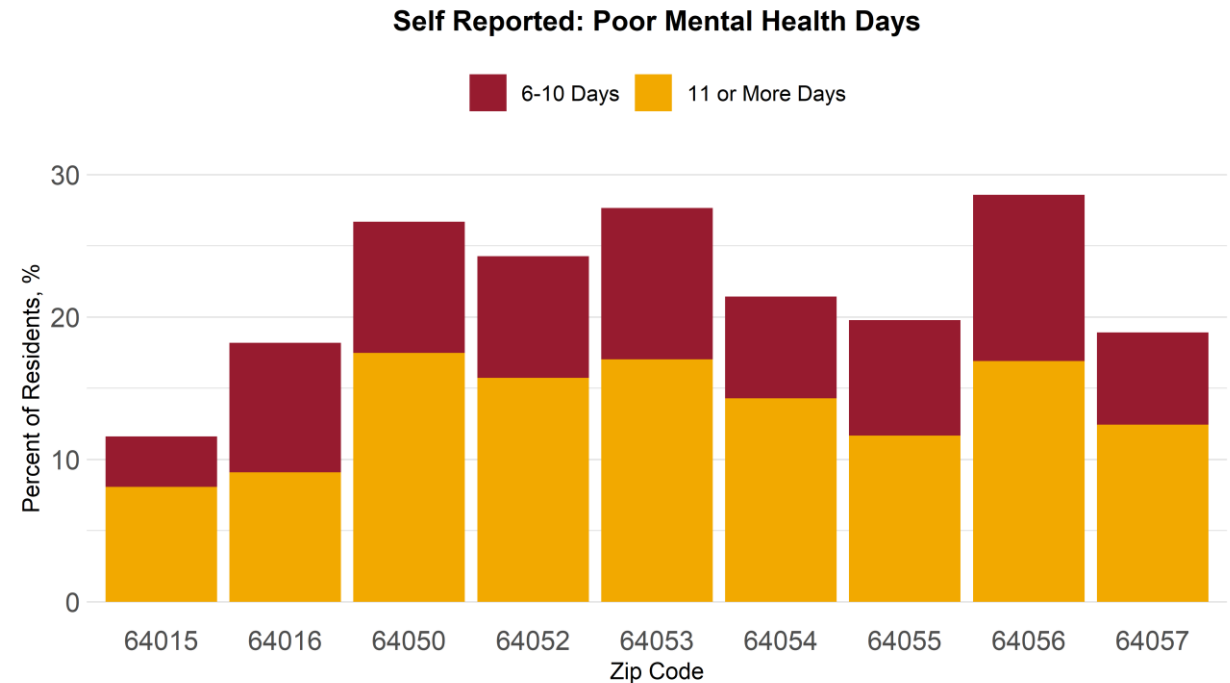
Rate of Cost-Burdened Households, 2022



Mental Health

Suicide is the second leading cause of death for those 1-44 years old

11% of survey respondents needed treatment but did not receive it in the last year



Houselessness

Increase nationwide every
year from 2016 to 2023

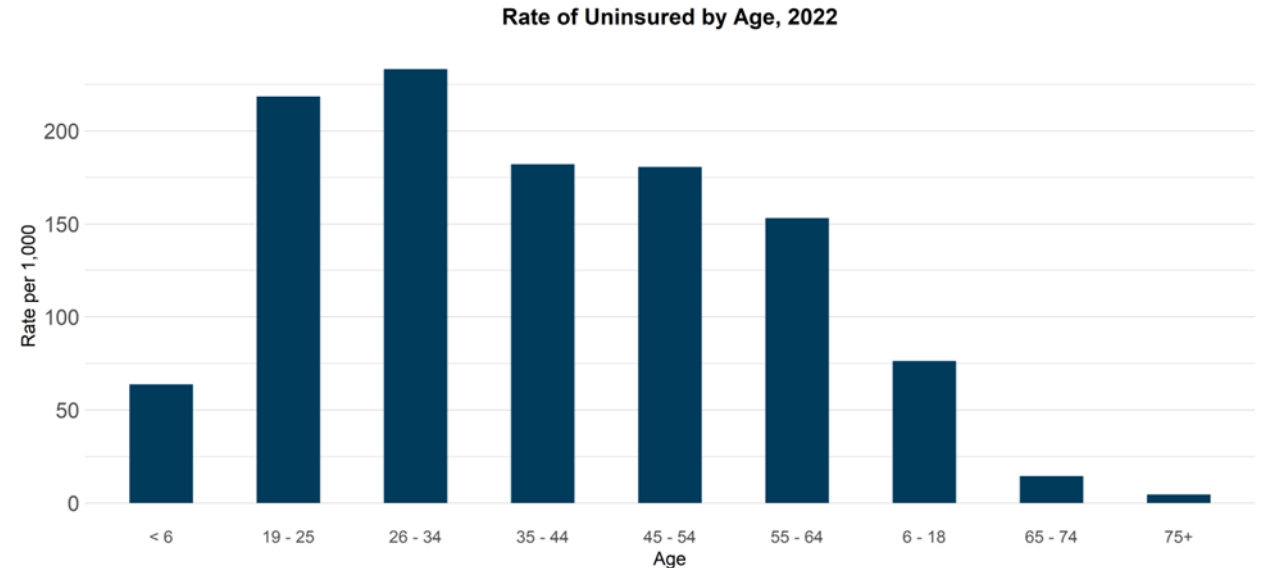
Greater Kansas City has had
similar increase in
houselessness



Affordable Health Care

Quarter of residents feel that health care is not affordable in our community

Independence women who wait to receive prenatal care is higher than the Missouri average



Firearms & Gun Violence

Gun violence and mental health are strongly linked.

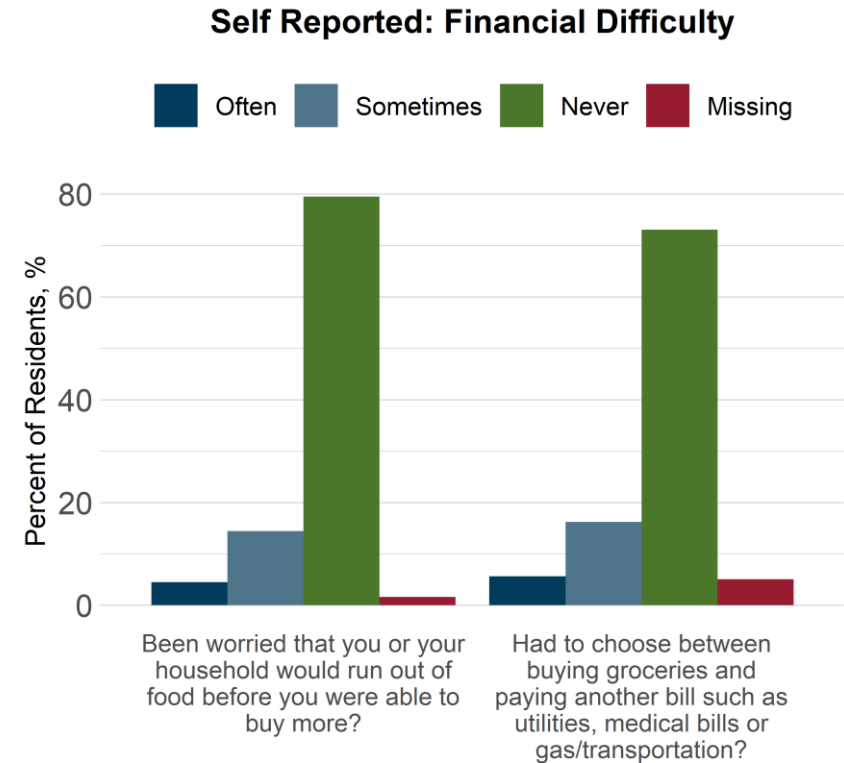
Rate of suicide with firearms is more than double the rate of homicides with firearms



Poverty and Food

19.2% worried that they would run out of food

23% chose between food and paying a bill



Questions?

City of Independence
Health & Animal Services Department

Christina Heinen, Director
Lauren Campbell, Public Health Manager
Terrell Sage, Public Health Specialist

AMI (Advanced Metering Infrastructure)

Presented on 9/23

2024

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ADVANCED METER INFRASTRUCTURE WHAT IS IT?

- Advanced metering infrastructure (AMI) is an integrated, fixed-network system that enables **two-way communication** between a customer's meter and the utility. The system transmits near **real-time information** about usage.

AMI is a system of:

- **Advanced meters**
 - **Communications networks**
 - **Data management**
- The system collects, stores, analyzes and presents energy usage data, providing utility companies and the customer the ability to monitor electricity, gas and water usage



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How does AMI work?

- Communication networks serve as the backbone of the two-way communication between smart meters and the AMI head-end system.
- These AMI networks carry data from the smart meters to a collection system and vice versa, allowing for near real-time data information available to both the utility and even the customer through a customer portal.



How does AMI help me, the customer?

- AMI allows customers access to detailed information about their energy usage, helping them manage their consumption more effectively.
- AMI allows the utility to monitor for power outages, thus providing updated information to the customer whether they are home or not.
- AMI allows the customer to take charge of their power consumption in real time and help manage their bills.



How does AMI help me, the customer?

- This powerful tool is equally applicable with water and gas usage as well.
- Allows a utility to work with customers on leak detection and potentially saving them money, along with managing their overall water consumption.



How does it help my utilities?

- The ability to remotely manage meters nearly eliminates the need for manual meter readings which removes the need to enter yards on a monthly basis. This has become a **significant safety issue**.
- AMI enables faster response times in the event of a power outage.
- Allows for the performance of remote connects and disconnects, reducing time to restore power after a late bill payment or service turn-on.
- Can also assist with renters and landlords to accurately obtain usage up to a move date or transfer of utility ownership.



How does it help my utilities?

- This powerful tool allows us to be a more efficient and cost-effective utility, saving the ratepayers in the long run.



Summary of the Benefits

- Improved reliability
- Quicker restorations
- Access to usage info
- Reduced disputes
- Online tools



- Automated meter reads
- Reduced outages
- Outage management
- Peak reduction
- System planning

- Reduced carbon/
GHG emissions
- Lower energy
consumption
- Increased
conservation

- Cost-of-service studies
- Rate design
- Programs and rebates
- Theft detection

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AMI FAQ's

- **How long has AMI been around?**
 - AMI has been around since the early 2000's. Since then, many significant improvements have been made to both the meters and the systems that support them.



AMI FAQ's

- **How many smart meters are installed in the US?**
 - In 2017, there were 78.9 million electric AMI installations in the US, which is over 50% of electric customers
 - **In 2022**, U.S. electric utilities had about **119 million** advanced (smart) metering infrastructure (AMI) installations, equal to about 72% of total electric meters installations. Residential customers accounted for about 88% of total AMI installations, and about 73% of total residential electric meters were AMI meters.



AMI FAQ's

- **Does AMI control my AC / home HVAC system?**
 - AMI is a completely separate system than your home HVAC and they do not communicate with anything in the home. Only your thermostat controls your home HVAC system and in fact, your utility could ask you if you wanted to install a programmable/controllable thermostat regardless of AMI. AMI only turns on/off your power and records usage for billing purposes.



AMI FAQ's

- **Can AMI meters be used to obtain private info?**
 - AMI meters are designed to record and transmit power usage (or water). The utility only uses this information to collect data pertaining to billable power and water usage and give the consumer the ability to track and control usage. This information gives them the ability to monitor their power and/or water bill as the month progresses.



AMI FAQ's

- **Is AMI private and secure?**

-All aspects of security for the AMI system adhere to the latest industry standards e.g. **FCC, NERC CIP, NIST**, etc.

Security techniques typically employed include:

- a. 2-factor authentication
- b. 256-bit encryption
- c. Access logging and audit records
- d. Role-based permissions

No personally identifiable information (e.g. names, payment information, addresses, etc.) are delivered over the radio network



Next Actions

- IPL and Independence Municipal Services would like to move forward with an RFP for the design and installation of AMI for your hometown utilities.
- This is a major step in updating your utilities to modern day and benefit both the residents and the utilities to operate in a more efficient manner and be more customer centric in its operations.
- Over the next 6 months, IPL will work with Municipal Services to administer an RFP process for your future consideration.



Next Actions

- IPL will also work in conjunction with our Communications team to send out information and hold public sessions to answer questions and provide clarifications on AMI and the benefits it provides.
- We will also be looking for input on what customer programs residents might like to see from this new technology.



Questions ?



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MEMORANDUM

DATE: September 23, 2024
TO: Mayor and Members of the City Council
FROM: Susanne Holland, City Clerk
SUBJECT: Boards and Commissions Report

Personnel Board

- A recommendation has been made to appoint Krystel Lugenbeel to the Personnel Board.
- Staff requests direction to add a resolution to the next regular meeting for the appointment of this individual to the above board.

Public Safety Tax Oversight Committee

- A recommendation has been made to reappoint Bradley Mudd to the Public Safety Tax Oversight Committee.
- Staff requests direction to add a resolution to the next regular meeting for the reappointment of this individual to the above board.

Japanese Sister City Committee

- A recommendation has been made to reappoint Dustin Henrich and appoint Sebastian Gonzalez to the Japanese Sister City Committee.
- Staff requests direction to add a resolution to the next regular meeting for the appointments of these individuals to the above board.



Independence Square Advisory Board

- A recommendation has been made to reappoint Austin Conley to the Independence Square Advisory Board.
- Staff requests direction to add a resolution to the next regular meeting for the appointments of these individuals to the above board.

Parks Commission

- A recommendation has been made to reappoint Jana Evans to the Parks Commission.
- Staff requests direction to add a resolution to the next regular meeting for the reappointment of this individual to the above board.