



## Revolutionizing Medical Research Data with Blockchain

This presentation provides an overview of a blockchain-based solution for addressing challenges in medical data .

# Introduction

Medical researchers face challenges with

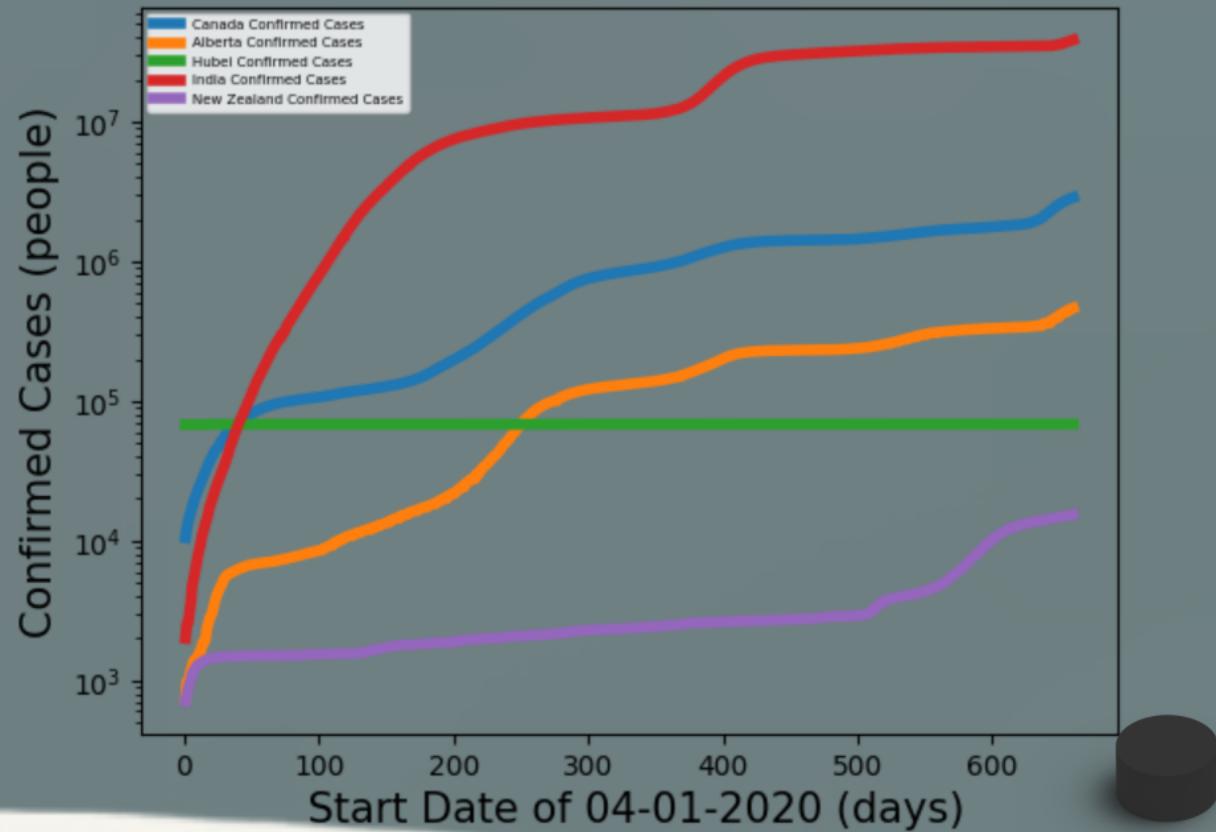
1. Data Integrity
2. Data Privacy and Security
3. Data Access and Sharing
4. Cost and Resources



# Controversy Over COVID Data Reporting

During the last COVID outbreak, there was significant controversy over the reported number of cases.

Many argued that the figures were manipulated or altered to fit a particular narrative.



## Ensuring Data Accuracy and Transparency

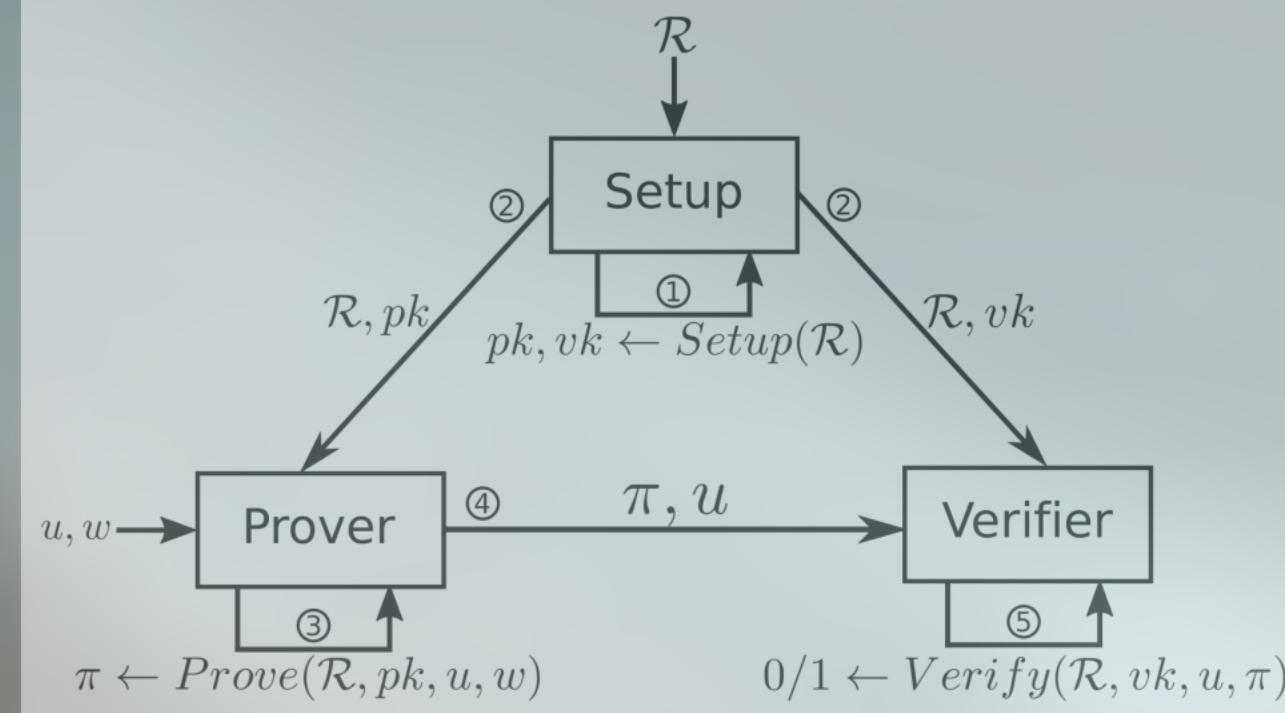
Accurate reporting and transparent data systems are essential for building trust and making informed decisions in public health emergencies.

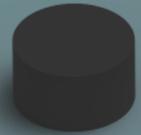


# Our Solution

Utilizing blockchain technology and 'zero knowledge proof' offers a potential solution.

1. Data Integrity
2. Data Privacy and Security
3. Data Access and Sharing
4. Cost and Resources





# How It Works

1. Hospitals across the country upload the number of cases diagnosed every week along with the zero knowledge Proof and Secret

# **How It Works**

2. Researchers log in to our web portal to request the weekly case numbers

# **How It Works**

3. Our web app on the backend takes the request and packages it with the zero knowledge Proof and Secret

# **How It Works**

4. Verifier on the blockchain processes the request, Proof and Secret from the researcher and the hospital Case numbers, Proof and Secret and validates the data

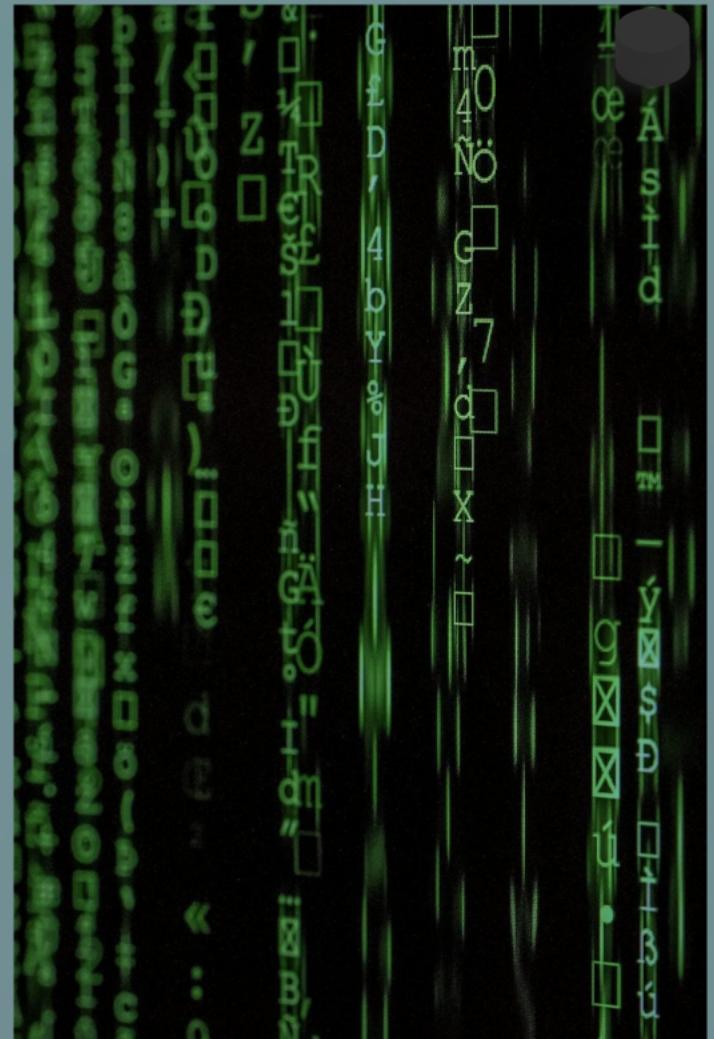
# **How It Works**

5. Researchers are then provided with case numbers requested and confirmation the data has not been tampered with.



# Conclusion

- The blockchain data solution has the potential to transform medical research data collection by enhancing privacy, security, trust, and integrity.





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