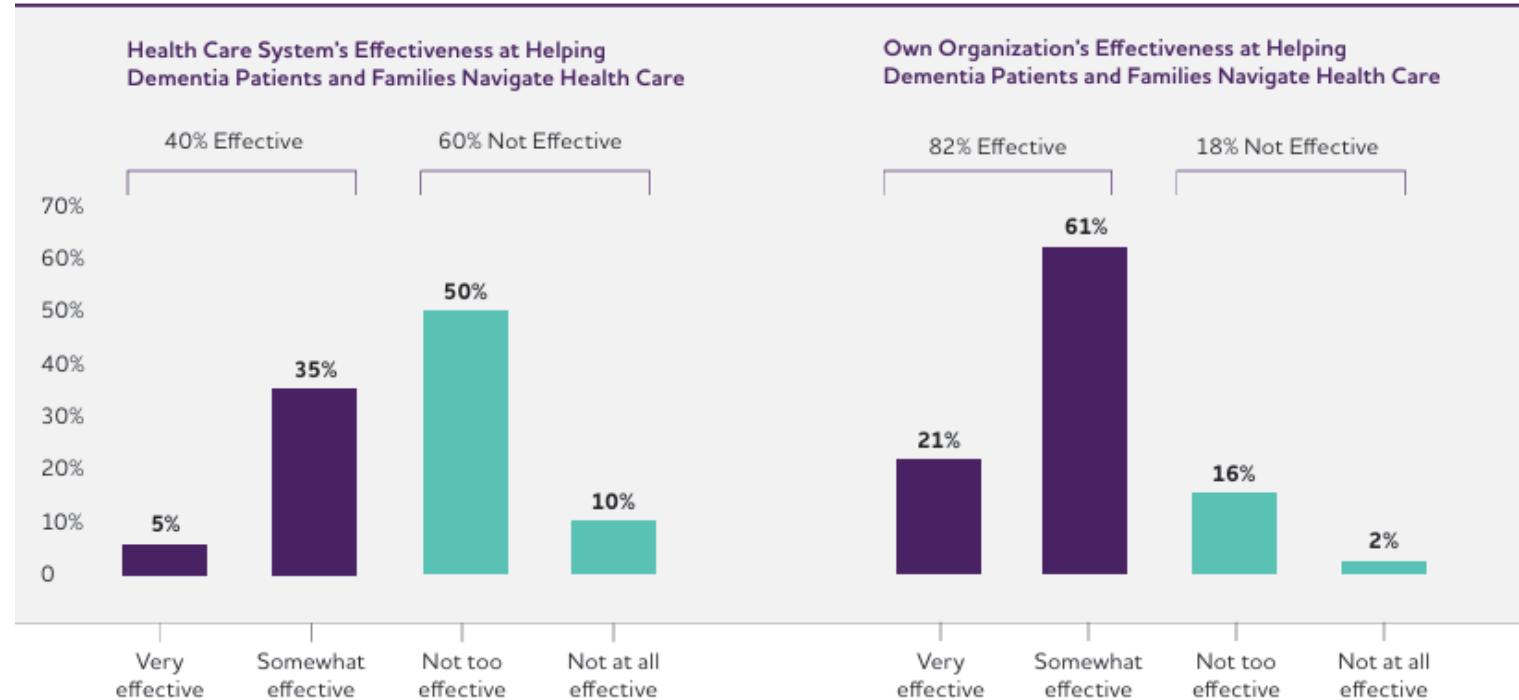# VITA COLLAB

Using public data to improve public health.

HOW CAN WE TRANSFORM THAT 60% OF PERCEIVED INEFFECTIVENESS IN THE HEALTH SYSTEM INTO OPPORTUNITIES FOR IMPROVEMENT AND HOPE?

Where every decision can change a life, our platform emerges as a ray of hope. 60% of healthcare workers believe the current system is not effective in helping dementia patients and their families navigate healthcare. However, 82% believe in the effectiveness of their own organization. This discrepancy calls us to action.

Health Care Workers' Views on the Effectiveness of Dementia Care Navigation

Health Care System's Effectiveness at Helping Dementia Patients and Families Navigate Health Care

- 40% Effective
- 60% Not Effective

	Very effective	Somewhat effective	Not too effective	Not at all effective
	5%	35%	50%	10%

Own Organization's Effectiveness at Helping Dementia Patients and Families Navigate Health Care

- 82% Effective
- 18% Not Effective

	Very effective	Somewhat effective	Not too effective	Not at all effective
	21%	61%	16%	2%

PROBLEM

LACK OF COORDINATION IN HEALTH CARE

Difficulties in communication between different institutions that result in fragmented care.

DELAYS IN OUTBREAK IDENTIFICATION

Lack of early warning systems impede rapid response to disease outbreaks.

INEFFICIENCY IN RESOURCE MANAGEMENT

Unequal distribution of medical and health resources that does not align with the needs of the population.

LINGUISTIC AND CULTURAL BARRIERS

Difficulties in providing adequate health services due to linguistic and cultural diversity.

LIMITED ACCESS TO HEALTH DATA

Lack of access to up-to-date and relevant health data for informed decision making.

SOLUTION

IMPROVED COMMUNICATION AND COLLABORATION

Facilitate a constant flow of information between institutions for more coordinated and efficient care.

PREDICTIVE OUTBREAK ANALYSIS

Use data to predict and quickly respond to potential disease outbreaks.

OPTIMIZATION OF RESOURCE DISTRIBUTION

Analyze the health needs of the population for a more effective allocation of resources.
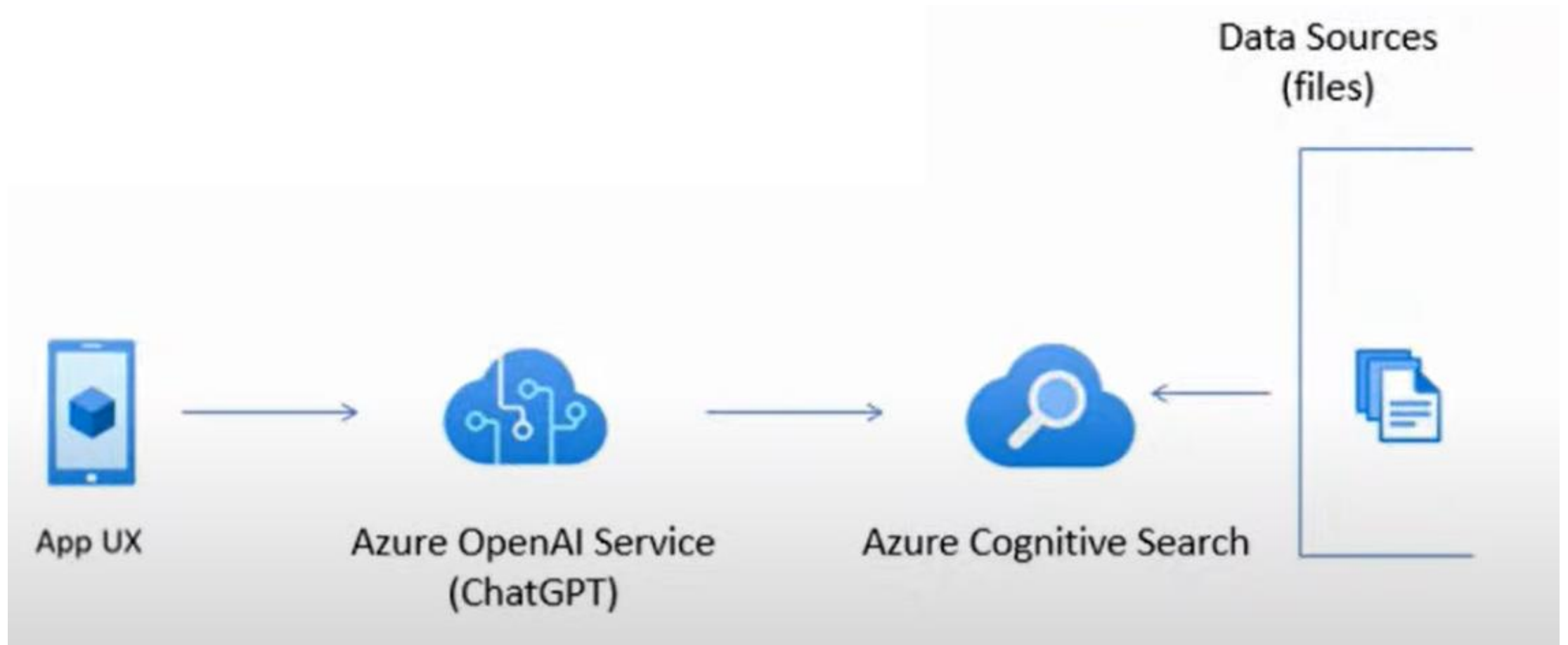
MULTILINGUAL ACCESSIBILITY

Offer the platform in multiple languages to overcome language barriers and improve inclusion.

LIVE DEMO

SOLUTION ARCHITECTURE

Data Sources (files)

App UX → Azure OpenAI Service (ChatGPT) → Azure Cognitive Search ← Data Sources (files)

IMPLEMENTATION

EFFICIENT AND SCALABLE

Our platform is designed to handle large volumes of data from multiple sources in real time, which is crucial for early detection of outbreaks and rapid response to public health emergencies.

RESPONSIBLE AI

Ensure that the platform is accessible to all users and that information is available in different languages, which you can achieve with Azure Search and OpenAI's multilingual capabilities. As well as that AI processes and algorithms are transparent for users and interested parties. This includes clear documentation on how data is collected, processed and used.

BENEFITS

INTERINSTITUTIONAL COLLABORATION

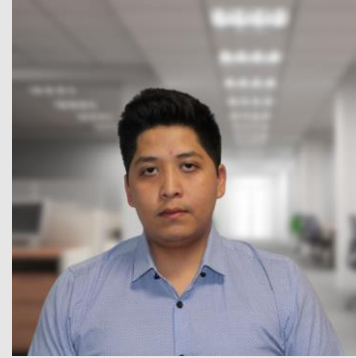Facilitation of joint work between different groups.

DATA-BASED DECISIONS

Making decisions based on data and scientific evidence.

ACCESSIBILITY

Information that is understandable and accessible to everyone involved.

MEET THE TEAM

CARLOS NIETO
BI Analist

FRANKLIN CANDURI
Developer

SUMMARY

Our cross-agency collaboration platform addresses the critical need to improve public health decision-making through the integration and analysis of public data. In response to the current problem of insufficient coordination between agencies, we have developed a solution that collects data on diseases, population and health resources, analyzes it to predict outbreaks and detect unusual patterns, and facilitates communication and collaboration between those involved. Deployed using a wide range of Azure services, our platform is robust and scalable, ensuring optimal performance and constant innovation. Key benefits include significant improvement in response to health emergencies, effective inter-agency collaboration, informed decisions based on solid data, and accessibility of information for all users, including in different languages. With this platform, we seek to transform public health governance and promote more effective and collaborative knowledge management.

THANK YOU