



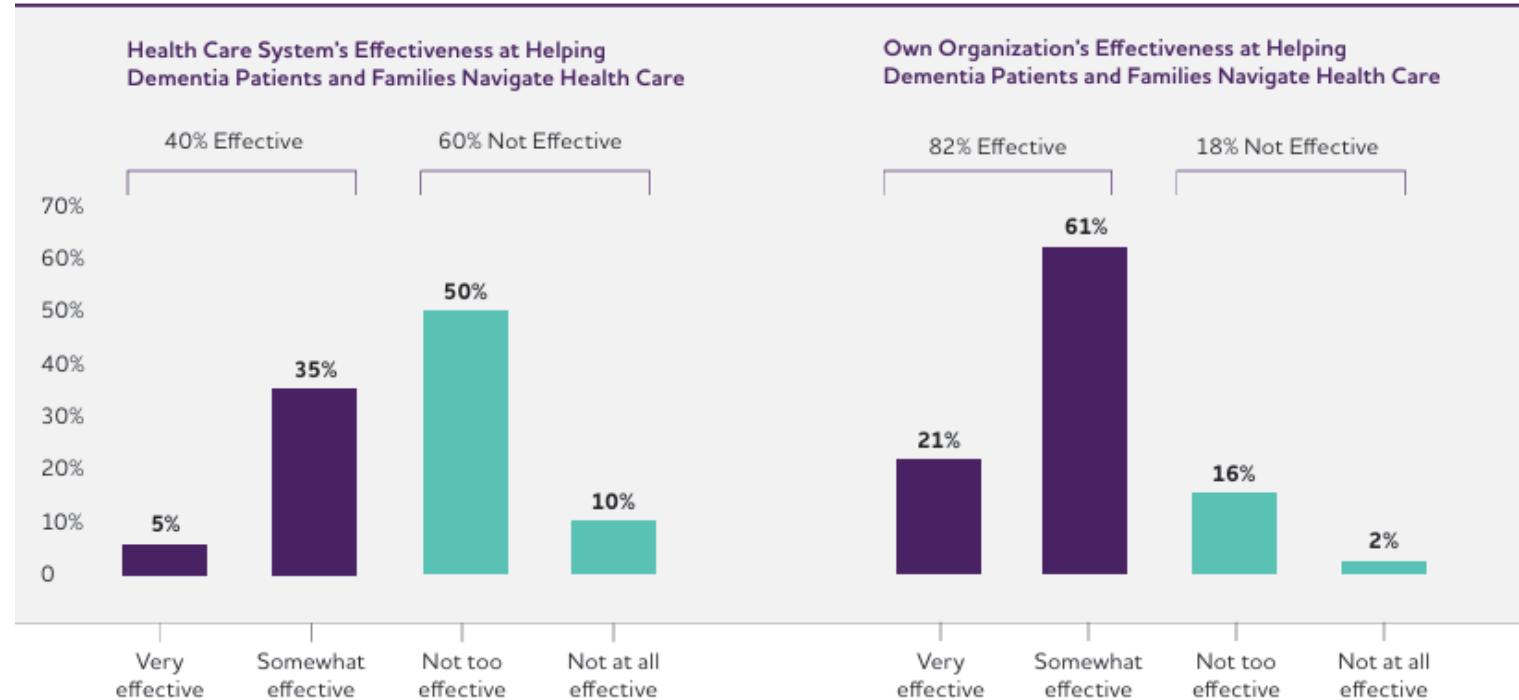
VITA COLLAB

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



PROBLEM

LACK OF COORDINATION IN HEALTH CARE

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

LINGUISTIC AND CULTURAL BARRIERS

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

DELAYS IN OUTBREAK IDENTIFICATION

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

LIMITED ACCESS TO HEALTH DATA

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

INEFFICIENCY IN RESOURCE MANAGEMENT

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

SOLUTIONS

IMPROVED COMMUNICATION AND COLLABORATION

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

OPTIMIZATION OF RESOURCE DISTRIBUTION

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

PREDICTIVE OUTBREAK ANALYSIS

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

MULTILINGUAL ACCESSIBILITY

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



LIVE DEMO



Área de juegos de chat

Implementar en ▾

↑ Importar configuración

↓ Exportar configuración

⚙️ Mostrar paneles ▾

Configuración

Solicitud

Agregar los datos



Aplicar
cambios



Mensaje del sistema de
seguridad

Usar una plantilla de mensaje del sistema

Uso de plantillas

Use una plantilla para empezar o simplemente empiece a escribir su propio mensaje del sistema a continuación.

¿Quiere algunas sugerencias? [Más información](#)

Seleccionar una plantilla ▾

Mensaje del sistema ⓘ

Your name is Vita. You are an AI assistant that helps people find information about Health. You must be kind and respectful to users.

Ejemplos ⓘ

Uso de ejemplos

🗑️ Borrar chat

⚙️ Configuración del área de juegos

🔗 Ver código



Mostrar JSON



Hello! My name is Vita. I'm an AI assistant here to help you find information about health. How can I assist you today?

What is Alzheimer?

Alzheimer's disease is a progressive neurological disorder that affects the brain, primarily causing memory loss and cognitive decline. It is the most common cause of dementia, a group of brain disorders that impair memory, thinking, and behavior. Alzheimer's disease is characterized by the accumulation of abnormal protein deposits in the brain, known as plaques and tangles, which interfere with the normal functioning of brain cells. The exact cause of Alzheimer's disease is not yet fully understood, but it is believed to involve a combination of genetic, environmental, and lifestyle factors.

Escriba aquí la consulta de usuario. (Mayús + Entrar para una nueva línea)

174/16000 tokens que se enviarán



Área de juegos de chat

[Implementar en](#)[Importar configuración](#)[Exportar configuración](#)[Mostrar paneles](#)

Configuración

Solicitud Agregar los datos

Obtenga información sobre su propio origen de datos. Los datos se almacenan de forma segura en su suscripción de Azure. [Obtenga más información sobre cómo se protegen los datos.](#)

Origen de datos: Recurso de búsqueda:

Azure AI Search vita-collab-search

Índice:

[azureblob-index](#)

[Configuración avanzada](#)

[Quitar origen de datos](#)

[Borrar chat](#)

[Configuración del área de juegos](#)

[Ver código](#)

☐ Mostrar JSON

The exact cause of Alzheimer's disease is not yet fully understood. However, it is believed to involve a combination of genetic, environmental, and lifestyle factors ¹. Genetic factors, such as certain gene mutations, can increase the risk of developing Alzheimer's disease. Environmental factors, such as exposure to certain toxins or traumatic brain injuries, may also play a role. Additionally, lifestyle factors like cardiovascular health, diet, exercise, and social engagement have been associated with the risk of developing Alzheimer's disease ¹. Further research is needed to fully understand the underlying causes of Alzheimer's disease.

✓ 1 referencias

[1 Citation 1](#)

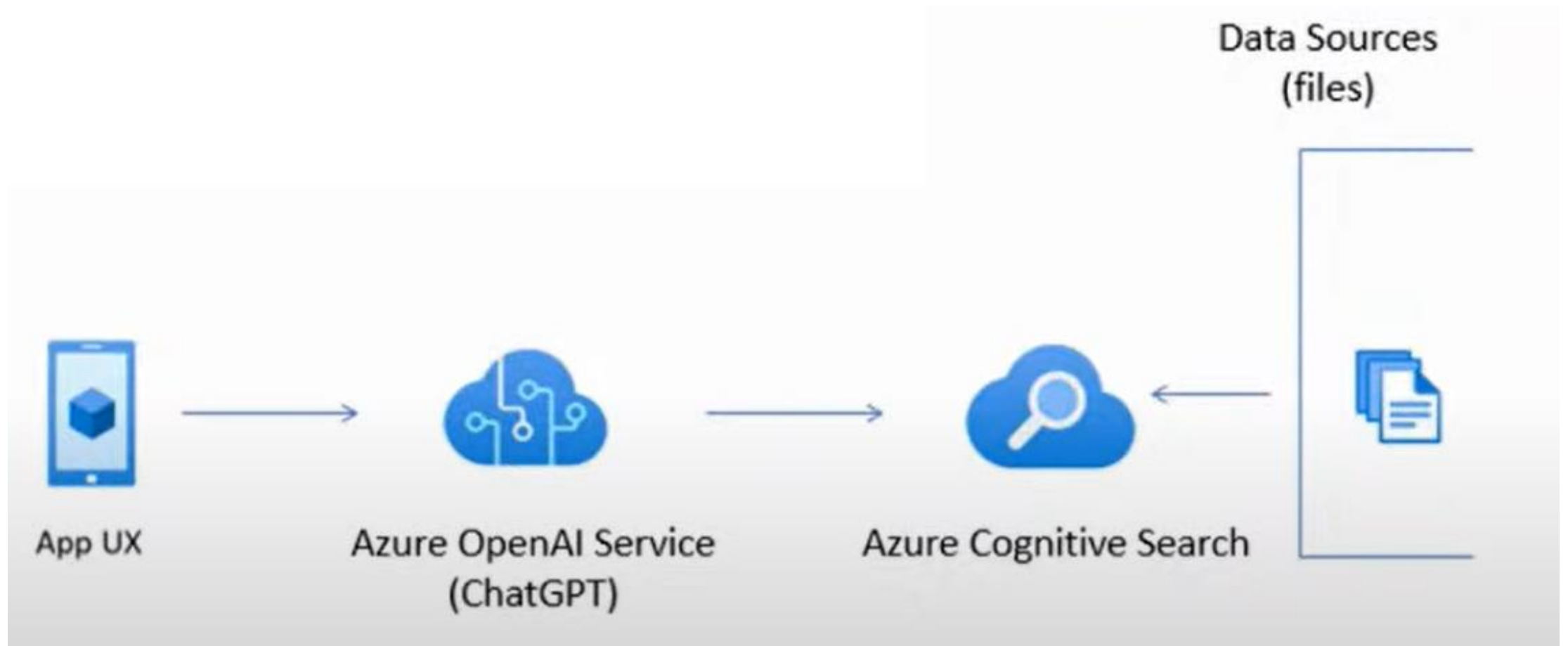
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298/16000 tokens que se enviarán

Citas

Jurisdiction of Occurrence Year Month All Cause Natural Cause Septicemia Malignant Neoplasms Diabetes Mellitus Alzheimer Disease Influenza and Pneumonia Chronic Lower Respiratory Diseases Other Diseases of Respiratory System Nephritis, Nephrotic Syndrome, and Nephrosis Symptoms, Signs, and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified Diseases of Heart Cerebrovascular Diseases Accidents (Unintentional Injuries) Motor Vehicle Accidents Intentional Self-Harm (Suicide) Assault (Homicide) Drug Overdose United States 2014 1 243298 226621 3944 51101 7344 8305 7929 15078 3466 4600 2815 58229 12074 11461 2572 3320 1213 4026 United States 2015 1 265355 247269 4194 52346 8053 11638 10005 16769 3797 4979 3005 63190 13576 12311 2754 3618 1437 4354 United States 2016 1 245823 227341 3846 51863 7392 10612 5295 14331 3705 4645 2755 58049 12968 12559 2734 3720 1499 4631 United States 2017 1 262832 241918 4089 52120 7907 12018 6925 16574 4083 4818 2769 61650 13595 14520 3034 3709 Jurisdiction of Occurrence Year Month All Cause Natural Cause Septicemia Malignant Neoplasms Diabetes Mellitus Alzheimer Disease Influenza and Pneumonia Chronic Lower Respiratory Diseases Other Diseases of Respiratory System Nephritis, Nephrotic Syndrome, and Nephrosis Symptoms, Signs, and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified Diseases of Heart Cerebrovascular Diseases Accidents (Unintentional Injuries) Motor Vehicle Accidents Intentional Self-Harm (Suicide) Assault (Homicide) Drug Overdose United States 2014 1 243298 226621 3944 51101 7344 8305 7929 15078 3466 4600 2815 58229 12074 11461 2572 3320 1213 4026 United States 2015 1 265355 247269 4194 52346 8053 11638 10005 16769 3797 4979 3005 63190 13576 12311 2754 3618 1437 4354 United States 2016 1 245823 227341 3846 51863 7392 10612 5295 14331 3705 4645 2755 58049 12968 12559 2734 3720 1499 4631 United States 2017 1 262832 241918 4089 52120 7907 12018 6925 16574 4083 4818 2769 61650 13595 14520 3034 3709

SOLUTION ARCHITECTURE



IMPLEMENTATION



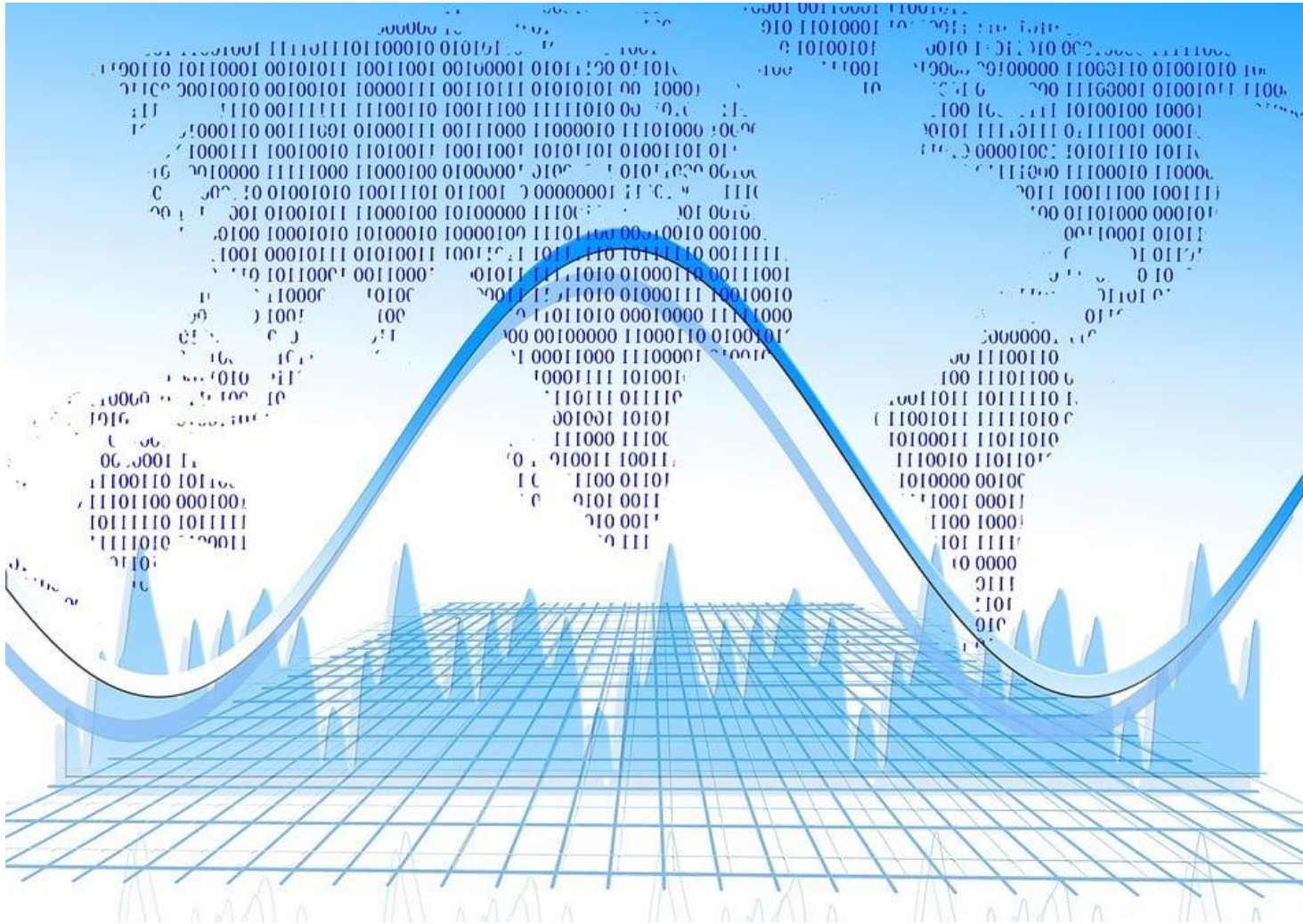
EFFICIENT AND SCALABLE

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.

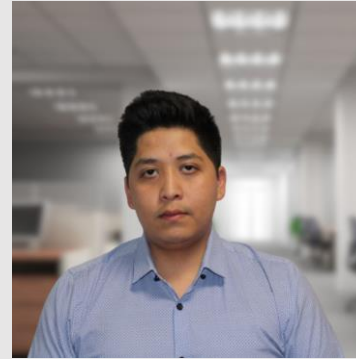
DATA-BASED DECISIONS

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

